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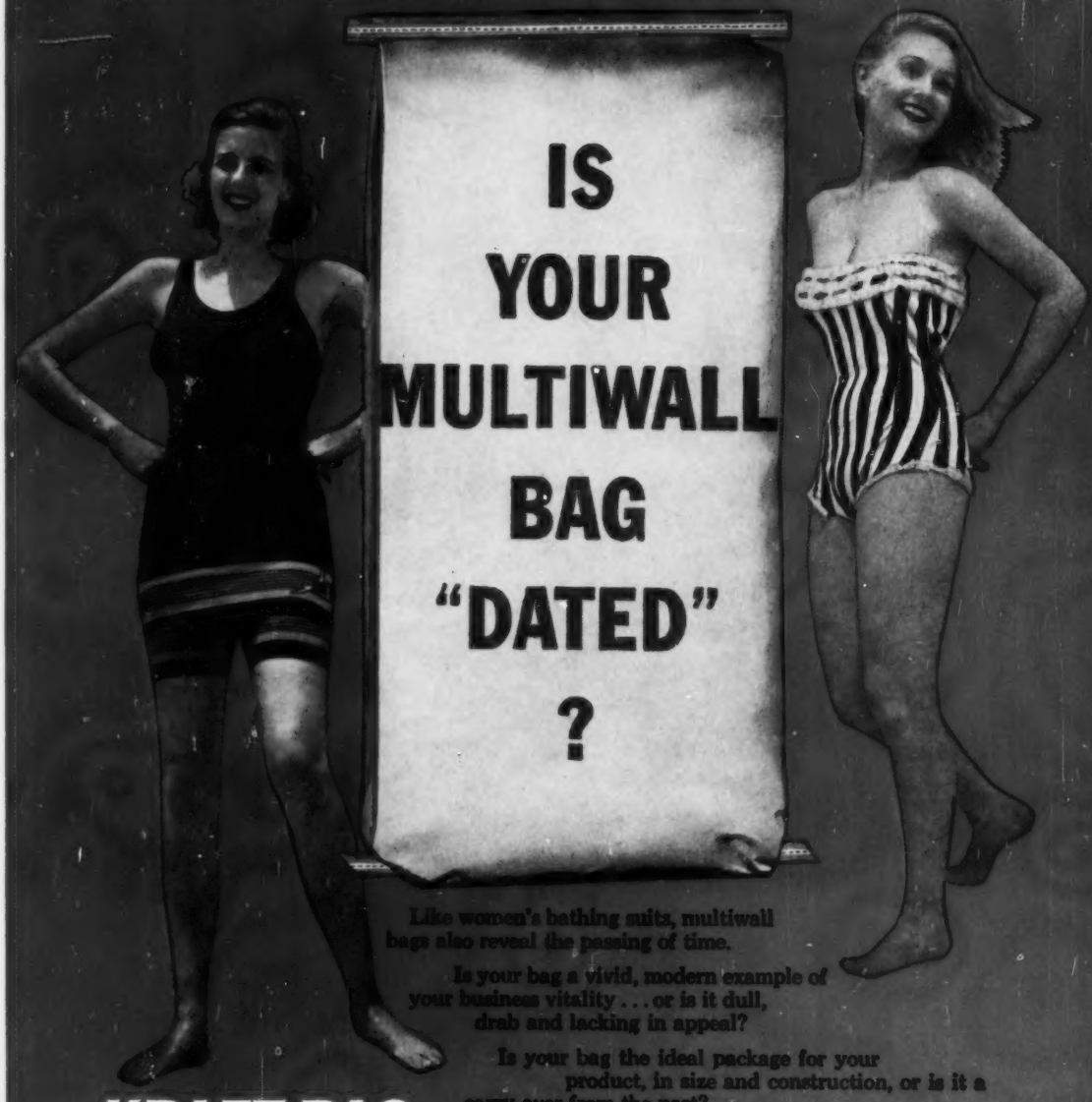
Chemical Week

September 26, 1959
PART TWO

1960 BUYERS' GUIDE ISSUE

Chemicals . . . . . p. 3
Services . . . . . p. 583
Equipment . . . . . p. 607
Advertisers' Index . . p. 725

Take a good look at your multiwall bag!



Like women's bathing suits, multiwall bags also reveal the passing of time.

Is your bag a vivid, modern example of your business vitality . . . or is it dull, drab and lacking in appeal?

Is your bag the ideal package for your product, in size and construction, or is it a carry-over from the past?

To compete successfully in your markets, your package should be as up-to-date as this issue of the magazine . . . *if it isn't*, it's a good idea to send for us.

KRAFT BAG CORPORATION

Gilman Paper Company Subsidiary

630 Fifth Avenue, New York 20, N. Y.
Daily News Bldg., Chicago 6, Ill.

Plants at St. Marys, Georgia and Gilman, Vermont

Sales Agents for The Kraftpacker

Gilman PAPER CO.
- St Marys Kraft Corp.
- Container Corp.
- The Gilbreath Corp.
- Kraft Bag Corp.

Dependable as a service for 3 generations



The Newest
KRAFTPACKER
will handle practically any free-flowing material—faster—and with more accuracy, than any open mouth bag filling machine of its type in use today—regardless of price!

☐ We are interested in improving our bag.

☐ We are [illegible] your Kraftpacker.

NAME OF COMPANY _____

ADDRESS _____

CITY _____ ZONE ____ STATE ____ PRINCIPAL _____

PRODUCT MFD _____

CWBGI-59

Chemical Week

Vol. 85, No. 13

Part Two

BUYERS' GUIDE ISSUE for 1960

HOW TO USE THE BUYERS' GUIDE ISSUE

explanation of symbols ..... p. 2

explanation of arrangement ..... p. 4

chemicals

Producers and other prime sources of approximately 6,000 chemicals, raw materials and specialties. Addresses, branch offices, and tradenames are given for all companies appearing in this section. Technical data may be found in this section's advertisements ..... p. 3

services

Companies and individuals providing a variety of technical services: specialized consulting, engineering and research, chemical plant construction, storage, drum filling, etc. ..... p. 583

equipment

Manufacturers and suppliers of equipment, containers and supplies for chemical process industries. Included: addresses, advertisements, tradenames and sources for used equipment ..... p. 607

advertisers' index ..... p. 725

Postmaster: Please send Form 3579 to Chemical Week, 330 West 42nd St., New York 36, N. Y.

A McGRAW-HILL PUBLICATION

ABP ABC

How to use the Buyers' Guide Issue

1. Listings are divided among three major sections: Chemicals, Services, Equipment.
2. Each section has its own company directory of addresses and telephone numbers.
3. Title page of each section gives detailed explanation of contents and arrangement.
4. All product listings are arranged alphabetically, as explained on the three title pages.
5. Under each product listing there are usually two alphabetical lists of companies. The first list, set in a single column of bold-face type, comprises advertisers; a black wedge indicates a catalog or full-page advertiser. The second alphabetical list, in light-face type and double columns, contains nonadvertisers.
6. For technical data, formulas and uses of numerous chemicals plus descriptions of complete company product lines, consult the Chemicals Catalog section and the advertisements beside specific chemical product listings. For comparable information on equipment, see the Equipment Catalog section.
7. Tradename information is contained in the Chemicals Tradename Index and the Equipment Tradename Index.
8. It is suggested that readers check prices with the company listed before placing orders or requesting samples.

EXPLANATION OF SYMBOLS:

* Company classifies itself as a producer, in accordance with our editorial qualifications for chemical producer listings given on page 3. (This symbol is used only in the Chemicals section.)

► Company is a catalog or full-page advertiser, whose ad may be found by referring to the Advertisers' Index. (This symbol is used for all listings of the advertiser throughout the *Buyers' Guide Issue*.)

Chemical Week — BUYERS' GUIDE ISSUE

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Cleveland 13 ..... H. J. Sweger, Jr., Duncan Stephens, 1164 Illuminating Bldg., SUperior 1-7000
Dallas 1 ..... Gene Holland, Gordon Jones, The Vaughn Bldg., 1712 Commerce St., Riverside 7-5117
Denver 2 ..... J. Patten, 1740 Broadway, ALpine 5-2981
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Los Angeles 17 ..... Robert Yocum, 1125 West Sixth St., HUntley 2-5450
New York 36 ..... Knox Armstrong, B. A. Johnson, P. F. McPherson, Charles F. Onasch, L. Charles Todaro, 500 5th Ave., OXford 5-5959
Philadelphia 3 ... William B. Hannum, Jr., 6 Penn Center Plaza, LOcust 8-4330
Pittsburgh 22 ... Duncan C. Stephens, Room 1111 Henry W. Oliver Bldg., EXpress 1-1314
San Francisco 4 .... William C. Woolston, 68 Post St., DOuglas 2-4600
St. Louis 8 ..... R. J. Claussen, 3615 Olive St., Continental Bldg., JEfferson 5-4867

CIRCULATION MANAGER ..... Paul W. Erb

September 26, 1959 • Vol. 85 • No. 13 • Part Two

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THE BUYERS' GUIDE ISSUE IS AVAILABLE ONLY WITH A REGULAR SUBSCRIPTION TO CHEMICAL WEEK. NO SINGLE COPIES SOLD.

Chemical Week

BUYERS' GUIDE ISSUE for 1960

Chemicals

EXPLANATION OF ARRANGEMENT AND NOMENCLATURE USED ..... p. 4

COMPANY DIRECTORY ..... p. 5
Addresses and telephone numbers for home office and U.S. branch or district offices for all companies included in the Chemicals section.

CATALOG SECTION ..... p. 23
Catalog advertisements of chemical and raw material producers, sales subsidiaries and distributors. Ads give complete company product lines plus technical product data and formulas.

CHEMICALS, RAW MATERIALS AND SPECIALTIES DIRECTORY ..... p. 197
Major producers and sources of supply for some 6,000 chemical products.

A	197	I, J, K	376	S	480
B	256	L	386	T	529
C	273	M	397	U	543
D	311	N	413	V	544
E	336	O	418	W	548
F	350	P	428	X	556
G	360	Q	466	Y	557
H	370	R	467	Z	557

TRADENAMES ..... p. 562

It is suggested that readers check prices with the company listed before placing orders or requesting samples.

Editorial policy for product listings in the Chemicals section

Every product listed is for sale to industry. Products made solely for captive use are not included.

1. *Producer listings*—Companies are entitled to free and unlimited listings for: (a) all basic chemicals they manufacture; (b) all mixtures of chemicals and all formulations for which they manufacture the active ingredients; (c) all metals, minerals, ores, crude chemicals, etc., obtained by their own mining, quarrying or smelting operations. (All producer listings as submitted by the company have been noted by an asterisk [*]. Only U.S. producers are included.)

If a claim as a producer of a given product is questioned, it is hereby understood that we reserve the right to ask for a notarized statement that the firm produces this chemical in its own manufacturing facilities.

2. *Nonproducer listings*—Advertisers are entitled to be listed for products they do not produce but distribute; 40 listings are allowed for each one-sixth page of advertising space purchased by the company. Qualified for such listings are distributors, manufacturer's agents, importers, formulators, reprocessors and marketing or sales subsidiaries of chemical producers.

3. *Producers of research chemicals and fine chemicals* are found under: (a) "Fine Chemicals" and/or "Research Chemicals"; (b) and any chemicals produced in larger-than-research quantities.

Turn page for explanation of arrangement

Arrangement of Chemicals, Raw Materials and Specialties Directory

The Chemicals directory is arranged alphabetically by chemical name. Chemicals are alphabetized as if they were one word. Prefixes— *o-*, *m-*, *p-*, *α-*, *β-*, pri-, sec-, tert-, sym-, d-, l-, n- (normal), N- (Nitrogen), etc.—are ignored in alphabetizing. Exceptions: the prefixes iso-, di-, tri-, tetra-, poly-, cyclo- and bis-.

Exceptions to the above rules are the following seven groups of chemicals, wherein the names have been inverted: Acids, Alcohols (monohydric only), Ethers, Gums, Oils, Resins, Waxes.

Examples:			
	Acid, Sulfuric	Ether, Benzyl	Oil, Linseed
	Alcohol, n-Butyl	Gum, Guaiac	Resins, Epoxy

Where the product headings are plural (e.g., Acids, Nucleic), the "s" has been ignored in alphabetizing. Thus "Acids, Fatty" precedes "Acid, *p*-Nitrotoluene-*o*-Sulfonic."

Only the monohydric alcohols and various general classifications (e.g., Alcohols, Fatty) will be found in the Alcohol section. The di-, tri- and polyhydric alcohols and certain cyclic alcohols have been alphabetized according to their more frequently used names, such as "Dimethyl Hexanediol." Cross references are given when certain monohydric alcohols are similarly alphabetized. For example, n-Heptyl Alcohol is listed as 1-Heptanol along with 2-Heptanol and 3-Heptanol. The -ol ending has been used for monohydric alcohols only when listings for more than one -OH position are included in the directory.

Metallic salts and compounds are listed under the name of the metal. For example, all ferric and ferrous compounds are listed under "Iron," the name of the chemical followed by (ic) or (ous) for further identification. Bivalent metallic compounds are the higher valence (or "ic") form, unless otherwise indicated, with the exception of Cobalt, Manganese and Nickel, where all compounds are the lower valence (or "ous") form, unless otherwise indicated.

Nomenclature used in the Chemicals, Raw Materials and Specialties Directory

Geneva nomenclature has been used in the *Chemical Week Buyers' Guide Issue*. Occasional exceptions occur where the chemical name consistently used by the industry differs from the Geneva nomenclature. In most such cases, the chemical will be listed by the name commonly used in the industry. Tradenames are not used as product headings.

This partial list of organic and inorganic radicals gives the name used in the *Buyers' Guide Issue* for radicals having several frequently used synonyms. The synonyms *not* in parentheses are the preferred terms used in this issue. Where neither synonym is in parentheses, both terms are used interchangeably and cross references are included in the product listings. Additional synonymous terms not in the following list are cross referenced throughout the Chemicals directory.

amyl	— (pentyl)	methylol	— (hydroxymethyl)
benzal	— benzylidene	phenol sulfonate	— (sulfocarbolate)
benzyl	— (α-tolyl)	propargyl	— (2-propynyl)
butylate	— (butoxide)	propenyl	— (isoallyl)
butyryl	— (butanoyl)	propylate	— (propoxide)
cyanide	— nitrile	salicyl	— (*o*-hydroxybenzyl)
dichromate	— (bichromate)	silicofluoride	— (fluosilicate)
ethylate	— (ethoxide)	sulfonyl	— sulfuryl
ethynyl	— (acetenyl)	thiocyanate	— (sulfocyanate and sulfocyanide)
isopropenyl	— (β-allyl and pseudoallyl)	thionyl	— (sulfinyl)
mercaptan	— (thiol)	tungstate	— (wolframate)
mercapto	— (sulfhydryl)	undecyl	— (hendecyl)
methylene	— (methene)	vinyl	— (ethenyl and ethylidyne)

CHEMICALS COMPANY DIRECTORY

A

S L ABBOT CO, 135 King St, San Francisco, Cal Sutter 1-8802

Abbott Labs, 1400 Sheridan Rd, N Chicago, Ill DE 6-3080

►ACETO CHEM CO, INC,

40-40 Lawrence St, Flushing, N Y IN 1-4100

Acheson Colloids Co, 1635 Washington Ave, Port Huron, Mich Yukon 4-4171

Boston 10, Mass, 89 Broad St Hancock 6-6979

Chicago, 10, Ill, 510 N Dearborn Mohawk 4-2032

Cleveland 6, O, 12429 Cedar Rd Yellowstone 2-7151

Dayton 6, O, 627 Salem Ave Crestview 7-3042

Detroit 1, Mich, 415 Brainard Temple 3-9028

Milwaukee 16, Wisc, 6915 W Capitol Dr Hopkins 3-4858

N Y 7, 50 Church St Cortlandt 7-2119

Pasadena, Cal, 2736 E Walnut St Ryan 1-7819

Phila 10, Pa, 1426 Land Title Bldg Locust 7-7113

Pittsburgh 19, Pa, 530 6 Ave Atlantic 1-9651

Rochester 7, N Y, 662 Monroe Ave Greenfield 3-2536

St Louis 9, Mo, 6523 Nottingham Ave Flanders 3-4866

ACME-HARDESTY CO, 60 E 42 St, N Y 17 MU 2-8556

Acme Resin Corp, 1401 Circle Ave, Forest Pk, Ill Columbus 1-2804

ACME SHELLAC PRODUCTS CO, 108 Blanchard St, Newark 5, N J MA 3-7707

Adell Chem Co, 51 Garfield St, Holyoke, Mass Jefferson 3-7161

NYC, 10803 Queens Blvd Liggett 4-1500

Adhesive Products Corp, 1660 Boone Ave, N Y 60 Kilpatrick 2-4600

Adhesive Products, Inc, 520 E Shore Hwy, Albany 10, Cal Landscape 6-7616

Los Angeles, Cal, 4721 E 48 St Ludlow 5-0903

Seattle 4, Wash, 1000 8 Av S Main 4-8636

A Adler & Son, Front & Richmond Sts, Phila 23, Pa Nebraska 4-1924

ADVANCE SOLVENTS & CHEM DIV, CARLISLE CHEM WORKS, INC, 500 Jersey Ave, New Brunswick, N J Charter 7-2203

NYC: Murray Hill 9-2620

Cleveland 20, Ohio, 3625 Lee Rd, Shaker Hts Skyline 2-0888

Glendora, Cal, 642 E Leadora Ave

Reading Ohio

Aerosol Filling Div, Puritan Distributing Co, 160 Washington St N, Boston 14, Mass Richmond 2-3318

Aetna Color & Chem Co, Inc, 60 Linden Ave, E Paterson, N J Swarthmore 6-0230

Afta Solvents Corp, 470 W 128 St, N Y C Monument 3-2000

Air Reduction Co, Inc, 150 E 42 St, N Y 17 Murray Hill 2-6700

See separate listings by divisions:

Air Reduction Chem Co Div

Colton Chem Co

National Carbide Co

Ohio Chem & Surgical Equipment Co

AIR REDUCTION CHEM CO, DIV AIR REDUCTION CO, INC, 150 E 42 St, N Y 17 Murray Hill 2-6700

Berkeley, Calif, 1231 2 St Landscape 6-3365

Chicago 23, Ill, 3100 S Homan Ave Bishop 7-6100

Alabama By-Products Corp, P O Box 354, Birmingham 2, Ala AL 2-5171

Alco Oil & Chem Corp, Trenton Ave & Williams St, Phila 34, Pa Garfield 5-0621

Greenville, S C, 23 Westview Ave Cedar 5-5163

Providence 3, R I, 610 Industrial Bank Bldg Elmhurst 1-4559

Alcylite Plastics & Chem Corp, 23874 N Pine St, Newhall, Calif Madison 5-1006

ALDRICH CHEM CO, INC, 2369 N 29 St, Milwaukee 10, Wis UP 1-9055

Alexander Chem Corp, 1803 Prudential Plaza, Chicago 1, Ill ST 2-7135

ALKYDOL LABS, DIV REICHHOLD CHEMS, INC, 3242 S 50 Ave, Cicero 50, Ill Bishop 2-1374

Allied Asphalt & Mineral Corp, Subs E T Trotter & Co, 49 Water Mill Lane, Great Neck, N Y Hunter 2-4100

►ALLIED CHEM CORP,

61 Broadway, N Y 6 Hanover 2-7300

►BARRETT DIV,

40 Rector St, N Y 6 Hanover 2-7300

Birmingham 8, Ala, 1327 Erie St State 5-1147

Chicago 54, Ill, Mdse Mart Michigan 2-1800

Houston 11, Tex, 323 S 67 St Walnut 3-2677

N Y 16, 261 Madison Ave Hanover 2-7300

Phila 46, Pa, 36 St & Gray's Ferry Ave Howard 5-0500

►GENERAL CHEM DIV,

40 Rector St, N Y 6 Hanover 2-7300

Albany 5, N Y, Railroad Ave 2-4469

Atlanta 18, Ga, 1151 Chattahoochee Ave N W Sycamore 9-1411

Baltimore 30, Md, 2000 Race St Plaza 2-5030

Birmingham 4, Ala, 642 3 Ave N Fairfax 2-3601

(Boston) Medford 55, Mass Export 6-3568

Bridgeport, Conn, 850 Norman St Edison 4-9419

Buffalo 2, N Y, 1 W Genesee St Madison 4178

Charlotte 1, N C, 818 Tuckaseegee Rd Edison 4-7226

Chicago 54, Ill, Rm 430 Mdse Mart Michigan 2-1800

Cincinnati 2, Ohio, 723 Dixie Terminal Bldg Main 1-2582

Cleveland, Miss, P O Drawer 952 Victor 3-4065

Cleveland 15, Ohio, 3121 Euclid Ave Henderson 2-2020

Denver 9, Colo, 1271 W Bayaud Ave Spruce 7-2623

(Detroit) River Rouge 18, Mich, 800 Marion Ave Vinewood 2-1500

Houston 11, Tex, 323 S 67 St Walnut 8-3267

Jacksonville 3, Fla, P O Box 2057 Poplar 5-3568

Kalamazoo 13, Mich, P O Box 869, 511 E Paterson St Fireside 5-8676

Los Angeles 5, Cal, 2999 W 6 St Dunkirk 8-3201

Milwaukee 3, Wis, 205 S 16 St Mitchell 5-3516

Minneapolis 13, Minn, 2020 B'way St, N E Sterling 1-9581

N Y 16, 261 Madison Ave Hanover 2-7300

Jersey City, N J: Henderson 5-4500

Phila 7, Pa, 12 S 12 ST Walnut 2-1234

Pittsburgh 22, Pa, 1 Gateway Center Express 1-1235

Portland, Ore Butler 5-6657

Vancouver, Wash Oxford 3-2537

Providence 1, R I, 58 Weybosset Dexter 1-2366

St Louis 1, Mo, Suite 1015, 411 N 7 St Chestnut 1-3870

San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840

Seattle 1, Wash, 1326 5 Ave Main 3-5287

►NATIONAL ANILINE DIV,

40 Rector St, N Y 6 Hanover 2-7300

Atlanta 18, Ga, 1151 Chattachoochee Ave, N W Sycamore 9-5332

Boston 14, Mass, 150 Causeway St Capitol 7-0490

Charlotte 1, NC, 201-203 W 1 St Edison 3-9221

Chicago 54, Ill, Mdse Mart Michigan 2-1800

Greensboro, N C, Jefferson Standard Bldg Broadway 2-2518

Los Angeles 22, Cal, 6510 Bandini Blvd Raymond 3-4605

Phila 6, Pa, 200-204 S Front St Walnut 5-6382

Portland 9, Ore, 730 W Burnside St Capital 3-1853

Providence 3, R I, 15 Westminster St Dexter 1-3008

San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840

►NITROGEN DIV,

40 Rector St, N Y 6 Hanover 2-7300

Atlanta 3, Ga, 127 Peachtree St N W Jackson 2-7805

Chicago, Ill, 430 Mdse Mart Bldg Michigan 2-1800

Cleveland 15, Ohio, 3121 Euclid Ave Henderson 2-2020

Columbia, Mo, 1134 Hwy 40 W Gibson 2-4040

Columbia 1, S C, 1203 Gervais St Alpine 3-6676

Hopewell, Va, P O Drawer 131 Glenview 8-6301

Indianapolis 20, Ind, 6060 College Ave Clifford 5-5443

Ironton, Ohio, P O Box 98 Drexel 7-4366

Kalamazoo, Mich, P O Box 869 Fireside 5-8676

Memphis 9, Tenn, 1929 B S 3 St Whitehall 8-2692

Omaha 7, Neb, P O Box 166 Bellevue 1464

Orange, Tex, P O Box 2041 Tuxedo 6-7445

Raleigh, N C, 16 W Martin St Temple 3-2801

St Paul 4, Minn, 764 Vandalia Midway 5-9141

San Francisco 4, Cal, 235 Montgomery St Yukon 2-6840

►PLASTICS & COAL CHEMS DIV,

40 Rector St, N Y 6 Hanover 2-7300

Chicago 54, Ill, Mdse Mart Michigan 2-1800

Cleveland 15, Ohio, 3121 Euclid Ave Henderson 2-2020

Los Angeles 22, Cal, 6510 Bandini Blvd Raymond 3-1371

►SEMET-SOLVAY ENGRG DIV,

40 Rector St, N Y C Hanover 2-7300

Buffalo 2, N Y, 602 Genessee Bld Washington 6700

Cincinnati 2, O, 723 Dixie Terminal Bldg Main 1-2582

Cleveland 15, O, 3121 Euclid Ave Henderson 2-2020

Detroit 26, Mich, 2532 Buhl Bldg Woodward 2-6210

►SEMET-SOLVAY PETROCHEM DIV,

40 Rector St, N Y C Hanover 2-7300

Atlanta, Ga Main 1278

Boston, Mass Capital 7-0490

Buffalo, N Y, Washington 6700

Charlotte, N C Franklin 7-6292

Chicago Ill Michigan 2-1800

Cincinnati, Ohio Main 1-2582

Cleveland, Ohio Henderson 2-2020

Detroit, Mich Woodward 2-6210

Greensboro, N C 2-2518

Greenville, S C 5-7187

Indianapolis, Ind Broadway 5443

Los Angeles 23, Cal Angelus 2-4101

Milwaukee, Wis Mitchell 5-3516

Portland 10, Ore Capital 7-6564

Providence, R I Dexter 1-2366

Richmond, Va 2-1930

Salt Lake City, Utah 84-5221

San Francisco 1, Cal Market 1-4210

Seattle, Wash Elliott 1856

Spartanburg, S C 3-8481

►SOLVAY PROCESS DIV,

61 Bway, N Y 6 Hanover 2-7300

Boston 9, Mass, 45 Milk St Hancock 6-2160

Charlotte 6, N C, 503 N College St Edison 3-0538

Chicago 54, Ill, Mdse Mart Michigan 2-1800

Cincinnati 2, Ohio, 3616 Carew Tower Main 1-0440

Cleveland 15, Ohio, 3121 Euclid Ave Henderson 2-2020

Detroit 17, Mich, 7501 W Jefferson Ave Vinewood 2-4400

Houston 2, Tex, 1121 Walker Ave Capitol 8-5219

New Orleans 12, La, 1107 Pere Marquette Bldg Jackson 5-1179

N Y 16, 261 Madison Ave Hanover 2-7300

Phila 29, Pa, 4343 E River Dr Victor 8-7000

Pittsburgh 22, Pa, 1 Gateway Center Express 1-1235

St Louis 8, Mo, 3615 Olive St Jefferson 1-3636

Syracuse 9, N Y, Milton Ave Howard 8-1611

Allied Finishing Specialties Co, 2639 W Grand Ave, Chicago 12, Ill Armitage 6-2222

Allied Industrial Products Co, 225 W 34 St, N Y 1 Chickering 4-6468

N Miami Beach, Fla, 915 N E 180 St Wilson 7-5256

Alox Corp, P O Box 556, Niagara Falls, N Y BU 2-1295

Alpha-Molykote Corp, 65 Harvard Ave, Stamford, Conn Fireside 8-3724

Alpine Aromatics Inc, 398 Main St, Metuchen, N J LI 8-7202

ALUMINIUM LIMITED SALES, INC, CHEM SALES DEPT, 630 5 Ave, N Y 20 Judson 6-5120

Atlanta 3, Ga, 11 Pryor St Murray 8-5585

Chicago 6, Ill, 20 N Wacker Dr State 2-1262

Cleveland 13, Ohio, 611 Terminal Tower Bldg Main 1-5701

Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-1115

Los Angeles 5, Cal, 2975 Wilshire Blvd Dunkirk 8-1275

ALUMINUM CO OF AMERICA, 1501 Alcoa Bldg, Pittsburgh 19, Pa Atlantic 1-4545

Atlanta 9, Ga, 1615 Peachtree St NE Trinity 5-7441

Boston 16, Mass, 20 Providence St, Park Square Hubbard 2-3650

Buffalo 5, N Y, 1880 Elmwood Ave Riverside 9700

Chicago 11, Ill, 520 N Michigan Ave Delaware 7-8181

Cincinnati 6, Ohio, 2331 Victory Pkwy Capitol 1-7000

Cleveland 13, Ohio, 1450 Terminal Tower Cherry 1-6880

Dallas 2, Tex, 301 Thomas Bldg Riverside 1-6291

Detroit 2, Mich, 610 New Center Bldg Trinity 1-8100

Hartford 3, Conn, 517 Capitol Bldg Jackson 5-2191

Kansas City 5, Mo, 2300 Power & Light Bldg Victor 2-2822

Los Angeles 17, Cal, 1145 Wilshire Blvd Huntley 2-2680

Milwaukee 3, Wis, 505 Bockle Bldg, 2040 W Wisconsin Ave Division 2-7110

Minneapolis 2, Minn, 1060 Northwestern Bank Bldg Federal 8-7581

Newark 2, N J, 744 Broad St Market 4-8800

N Y 17, 230 Park Ave Murray Hill 6-8046

Phila 9, Pa, 1515 Fidelity-Phila Trust Bldg Kingsley 5-0250

St Louis 8, Mo, 10 Floor, Continental Bldg Franklin 1-6700

San Francisco 4, Cal, 2509 Equitable Life Bldg Yukon 6-6484

Seattle 1, Wash, 1411 4 Ave Bldg Main 4-4040

Toledo 2, Ohio, 350 W Woodruff Ave Cherry 8-3511

Washington 6, D C, 1200 Ring Bldg District 7-9400

Amalgamated Chem Corp, Ontario & Rorer Sts, Phila 34, Pa Garfield 3-9200

Greenville, S C, 203 W Earl St, Cedar 9-3425

Amaza Labs Inc, 8115 Bedford Rd S, Macedonia, Ohio Imperial 7-7237
Amber Labs, Inc, 3456 N Buffum St, Milwaukee 12, Wis Edgewood 2-3115
Amchem Products, Inc, Ambler, Pa Mitchell 6-1700
Detroit 21, Mich, 10225 W McNichols Rd University 4-8784
Niles, Cal, P O Box 698 Sycamore 7-1430
St Joseph, Mo, 235 W Lake Blvd, P O Box 390
American Agar & Chem Co, Box 431, San Diego 12, Cal CY 6-6385

►AMERICAN AGRICULTURAL CHEM CO,
100 Church St, N Y 7 Barclay 7-1400
Alexandria, Va, 411 N Lee St Overlook 3-0135
Baltimore 24, Md, 2272 S Clinton St Broadway 6-8100
Bay City, Mich, P O Box 288 Twinbrook 2-3988
Buffalo 6, N Y, 129 Lewis St Washington 7311
Cartaret, N J Kimball 1-5171
Charleston 17, S C, P O Box 834 Raymond 3-2726
Cincinnati 17, Ohio, P O Box A, St Bernard Sta Avon 1-0836
Cleveland 35, Ohio, Puritas Pk Sta Orchard 1-1990
Columbia, S C, P O Drawer 69 Alpine 4-3167
Danville, Ill, P O Box 4 983
Detroit 31, Mich, P O Drawer 2458 Vinewood 2-0146
Fulton, Ill, P O Box 150 Fulton 2211
Greensboro, N C, P O Box 1139 Broadway 2-0173
Henderson, N C, P O Box 690 Geneva 8-4628
Humboldt, Iowa, P O Box 518 1080
Johnson City, Tenn, P O Box 1119 4477
Knoxville, Tenn, P O Box 119 7-4444
Lima, Ohio, P O Box 158 Michael 1-3551
London, Ky, P O Box 464 Volunteer 4-4196
Montgomery 2, Ala, P O Box 911 Amherst 2-0361
Nashville, Tenn, P O Box 118 Chapel 2-0559
Norfolk 6, Va, P O Box 4568, Berkley Sta Kimball 5-4627
N Weymouth 91, Mass, 285 River St Edgewater 5-2640
Olathe, Kansas, P O Box 14 Poplar 4-1805
Pensacola, Fla, Box 1671 Hemlock 2-5057
Phoenix, N Y, P O Box 507 Owens 5-2011
Pierce, Fla, P O Box 37 Harrison 5-1145
Saginaw, Mich, P O Box 1228 Pleasant 2-2139
Savannah, Ga, P O Box 567 Adams 3-6662
Seymour, Ind, P O Box 239 Jackson 2-1786
Spartanburg, S C, P O Box 890 7767
Washington Court House, Ohio, P O Box 68 2531

►AMERICAN-BRITISH CHEM SUPPLIES, INC,
180 Madison Ave, N Y 16 Murray Hill 6-0661

AMERICAN COLLOID CO, 5100 Suffield Court, Skokie, Ill Orchard 4-5720

►AMERICAN CYANAMID CO,
30 Rockefeller Plaza, N Y 20 Circle 7-0100

►FINE CHEMS DEPT,
30 Rockefeller Plaza, N Y 20 Circle 7-0100
Chicago 18, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, Ohio, 2350 Glendale-Milford Rd Princeton 1-5400
Ft Washington, Pa, 110 Commerce Dr Mitchell 6-7000
Los Angeles 22, Cal, 2300 S Eastern Ave Raymond 3-6411
St Louis 3, Mo, 5025 Pattison Ave Mohawk 4-5306

►INDUSTRIAL CHEMS DIV,
30 Rockefeller Plaza, N Y 20 Circle 7-0100
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C 3333 Wilkinson Blvd Express 9-0441
Chicago 18, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 15, Ohio, 2350 Glendale-Milford Rd Princeton 1-5400
Cleveland 14, Ohio, 711 Leader Bldg Cherry 1-1933
Detroit 21, Mich, 15552 W McNichols Rd Broadway 2-1970
Ft Washington, Pa, 110 Commerce Dr Chestnut Hill 8-3900
Houston 6, Tex, 3400 Montrose Blvd Jackson 6-3121
Kalamazoo 99, Mich, 2715 Miller Rd Fireside 5-0129
Los Angeles 22, Cal, 2300 S Eastern Ave Raymond 3-6411
Mobile 10, Ala, 161 St Michael St Hemlock 8-4646
N Y 18, 48 W 38 St Circle 7-0100
Oakland 12, Cal, 1440 Broadway Highgate 4-5622
Phila 8, Pa, 401 N Broad St Lombard 3-6422
Portland 8, Ore, 3145 NW Yeon Ave Capitol 2-9687
St Louis 10, Mo, 5025 Pattison Ave Mohawk 4-5306
Seattle 9, Wash, 550 Mercer St Atwater 2-7954
Tulsa 19, Okla, 18 & Baltimore Cherry 2-2030

MARKET DEVELOPMENT DEPT, 30 Rockefeller Plaza, N Y 20 Circle 7-0100

ORGANIC CHEMS DIV, Bound Brook, N J Elliot 6-2000
Atlanta 2, Ga Trinity 2-3527
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cleveland 14, Ohio, Superior & E 6 Sts Cherry 1-1933
Latrobe, Pa, P O Box 270 Keystone 7-5571
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
N Y 20, 30 Rockefeller Plaza Circle 7-0100
Oakland, Cal, 1440 Broadway Highgate 4-5622
Phila 8, Pa, 110 Commerce Drive Mitchell 6-7000
Portland 9, Ore, 935 N W 12 Ave Capitol 8-2250
Providence 3, R I, 40 Fountain St Dexter 1-0100
Washington 5, D C, 15 & N Y Ave Executive 3-1833

PIGMENTS DIV, 30 Rockefeller Plaza, N Y 20 Circle 7-0100
Atlanta 2, Ga, 1370 Spring St Trinity 2-3527
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Bound Brook, N J Elliot 6-2000
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, O, 2350 Glendale-Milford Rd Princeton 1-5400
Cleveland 14, O, Superior & E 6 Sts Cherry 1-1933
Dallas 22, Tex, 3709 Atwell St Fleetwood 7-1711
Detroit 35, Mich, 15552 W McNichols Rd Broadway 2-1970
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
Minneapolis 26, Minn West 5-1721
New Orleans 21, La Vernon 1-1301
Oakland, Cal Highgate 4-5622
Phila 8, Pa Walnut 2-2080
Portland 9, Ore Capitol 8-2250
Seattle 9, Wash Alder 3778
St Louis 3, Mo Mohawk 4-5306
Washington 5, D C Executive 3-1833

Plastic & Resins Div, 30 Rockefeller Plaza, N Y 20 Circle 7-0100
Boston 15, Mass, 1055 Commonwealth Ave Stadium 2-6000
Charlotte 1, N C, 3333 Wilkinson Blvd Express 9-0441
Chicago, Ill, 3505 N Kimball Ave Cornelia 7-6400
Cincinnati 1, O, 2350 Glendale-Milford Rd Princeton 1-5400
Cleveland 14, Rm 711, Leader Bldg, Superior & E 6 Sts Cherry 1-1933
Dallas 22, Tex, 3709 Atwell St Fleetwood 7-1711
Detroit 35, Mich, 15552 W McNichols Rd Broadway 2-1970
Ft Washington, Pa, 110 Commerce Dr Mitchell 6-7000
Los Angeles, Cal, 2300 S Eastern Ave Raymond 3-6411
Minneapolis 26, Minn, 7630 Excelsior Rd West 5-1721
N Y 18, 48 W 38 St Circle 7-0100
Oakland, Cal, 1440 Broadway Highgate 4-5622
Phila 8, Pa, 401 N Broad St Walnut 2-2080
St Louis 3, Mo, 5025 Pattison Ave Mohawk 4-5306
Seattle 9, Wash, Rm 137, 550 Mercer St Atwater 2-7954

American Felt Co, 127 Glenville Rd, Glenville, Conn Jefferson 1-8700
Boston 10, Mass, 211 Congress St Hancock 6-6158
Chicago 7, Ill, 847 W Jackson Blvd Canal 6-4222
Cleveland 14, O, 1845 E 9 St Main 1-0258
Detroit 7, Mich, 3000 E Jefferson Ave Loraine 7-7010
N Y 1, 350 5 Ave Chickering 4-8768
Phila 6, Pa, 1024 Lafayette Bldg Walnut 5-7899
American Finish & Chem Co, 1012 Broadway, Chelsea 50, Mass CH 3-2633
AMERICAN GILSONITE CO, Municipal Airport P O Box 15, Salt Lake City, Utah Davis 8-0311
Cleveland 20, Ohio, 3537 Lee Rd Longacre 1-2930
American Grease Stick Co, Muskegon, Mich 32-101
American Industrial Chem Co, Div Amerace Corp, 295 Main St, Butler, N J Terminal 8-5252
American Lecithin Co, Inc, 57-01 32 Ave, Woodside 77, N Y Astoria 4-4350
American Lignite Products Co, Inc, P O Box 5-E Ione, Cal Crestview 4-2441
N Y C, 110 E 42 St Oxford 7-8966
American Lithographic Varnish Co, Inc, 926 Harrison Ave, Kearny, N J Wyman 1-9354
American Maize-Products Co, 250 Park Ave, N Y 17 Yukon 6-7300
Atlanta 9, Ga, 1105 Spring St N W Trinity 5-8361
Buffalo 15, N Y, 17 Kenville Rd Atwater 6023
Chicago, Ill, 2440 A Peterson Ave Rogers Park 1-5111
Denver, Col, 2150 Ames Acoma 2-5178
Grand Rapids 6, Mich, 312 Woodmere SE Glendale 6-5173
Houston 24, Tex, 9211 Rangeley Dr Homestead 8-1806
Los Angeles 4, Cal, 1300 W 3 St Madison 8-4123
Narberth Pa, 117 Forrest Ave Mohawk 4-7070
N Y 17, 250 Park Ave Yukon 6-7300
Pittsburgh 22, Pa, 1420 Investment Bldg Atlantic 1-3580
St Paul, Minn, 1747 Bohland Ave Midway 9-0419
San Francisco, Cal, 601 Montgomery St Garfield 1-0131
Sappington 23, Mo, 10519 Wisteria Lane Victor 3-1959
S Boston, Mass, 11 Elkins St Andrew 8-2077

American-Marietta Co, Adhesive, Resin & Chem Div, 3400 13 Ave S W, Seattle 4, Wash Main 3-3311
AMERICAN MINERAL SPIRITS CO, Mountain Ave, Murray Hill, N J Crestview 3-0700
Atlanta, Ga, 1194 Allene Ave S W Plaza 8-7591
Baltimore, Md, 1500 Carbon Ave Elgin 5-7550
Charlotte, N C, 2335 Thrift Rd FR 6-7481
Chicago, Ill, 230 N Michigan Ave Andover 3-3050
Columbus, Ohio, 2144 Riverside Dr Hudson 6-7136
Detroit 26, Mich, 1115 Book Bldg Woodward 3-777
Kansas City 11, Mo, 115 E Armour Blvd Valentine 1-1913
Los Angeles, Cal, 8600 S Garfield Ave Spruce 3-3460
Memphis, Tenn, 608 Columbian Mutual Tower Jackson 7-1502
Oakland, Cal 401 High St Kellogg 3-2373
(Phila) Conshohocken, Pa, Colwells Lane TA 8-1010
Providence, R I, 370 Allens Ave Hopkins 1-1300
St Paul 7, Minn, 40 E Water St Capitol 2-7250
Somerville (Boston), Mass, 60 Foley St Prospect 6-8100
American Molding Powder & Chem Corp, 703 Bedford Ave, Brooklyn, N Y Main 5-7450
American Norit Co, Inc, 6301 Glidden Way, Jacksonville, Fla PO 4-6300
AMERICAN OIL & SUPPLY CO, 237 Wilson Ave, Newark 5, N J Market 2-0250
NYC: Rector 2-6273
American Phosphors Corp, Box 33, King of Prussia, Pa Broadway 9-1175

►AMERICAN POTASH & CHEM CORP,
3000 W 6 St, Los Angeles 54, Cal Dunkirk 2-8231
Atlanta 3, Ga, 214 Walton Bldg Walnut 3361
Chicago 45, Ill, 3557 W Peterson Ave CO 7-0817
Columbus 15, O 21 Estate St
N Y 16, 99 Park Ave Oxford 7-0544
Portland 1, Ore, 1320 S W Broadway Capitol 6-2463
San Francisco 4, Cal, 235 Montgomery St Douglas 2-1300
Shreveport, La, 1600 Fairfield Ave 5-4488
See also separate listings by division:
Lindsay Chem Div

American Products Mfg Co, Inc, 8127-33 Oleander St, New Orleans 18, La UN 6-6782
American Smelting & Refining Co, 120 Broadway, N Y 5 Rector 2-9500
Ames Labs, 132 Water St, S Norwalk, Conn VO 6-9840
AMOCO CHEMS CORP, 910 S Michigan Ave, Chicago 80, Ill Harrison 7-8886
N Y 17, 555 5 Ave Oxford 7-6911
Ampion Corp, 4-88 47 Ave, LIC 1, N Y Stillwell 4-3374
Amsco Solvents & Chem Co See Solvents & Chems Group
Anderson Chem Co, Div Stauffer Chem Co, 3940 Summit St, Weston, Mich Sand Creek: GE 6-2322
Chicago, Ill, Prudential Plaza Randolph 6-8954
N Y C, 380 Madison Ave Oxford 7-0600
Anderson-Prichard Oil Corp, 1000 Liberty Bank Bldg, Oklahoma City 2, Okla Central 6-5641
Chicago, Ill, 3921 N Ravenswood Ave Lakeview 5-8228
Minneapolis, Minn, 606 Roanoke Bldg Federal 2-8761
N Y 17, 222 Graybar Bldg, 420 Lexington Ave Murray Hill 6-7797
Oklahoma City, Okla, P O Box 796 Forest 5-4388
St Louis, Mo, 6803-5 Arsenal St Mission 7-1100
Andor Labs, Inc, 6144 Rush-Honeoye Falls Rd, Rush, N Y 135
W R E Andrews Sales, Inc, 1505 Race St, Phila 2, Pa Rittenhouse 6-3875
An-Fo Mfg Co, 3129 Elmwood Ave, Oakland 1, Cal Kellog 2-0221
H REEVE ANGEL & CO, INC, 52 Duane St, N Y 7 Cortlandt 7-6577
Anheuser-Busch, Inc, 721 Pestalozzi St, St Louis 18, Mo Prospect 3-3100
Chicago, Ill, 750 S Clinton St Harrison 7-8680
Columbus, Ga, 2319 Hamilton Rd Fairfax 7-5465
E Cambridge, Mass, Box 111 6 St University 4-5150
Kalamazoo, Mich. 1122 Royce Ave Fireside 4-0501
L I C, N Y, 4848 5 St Empire 1-9220
New Orleans, La, 314 Girod St MA 0414
Phila, Pa, Bourse Bldg Walnut 2-2786
San Francisco, Cal, 1485 Bayshore Blvd, Rm 362 Delaware 3-4757
Ansbacher-Siegle Corp, 92 Chestnut St, Rosebank, Staten Island 5, N Y YU 1-1600
Brooklyn, N Y, 125 Prospect Park W Sterling 8-6665
Chicago 10, Ill, 510 N Dearborn St Haymarket 1-1336
Cleveland 9, O, 9016 Overlook Dr Florida 1-6239
Havertown, Pa, 538 Sagamore Rd Hilltop 6-4837
Livingston, N J, 5 Timber Hill Dr Wyman 2-2052
Natick, Mass, 12 Sherwood Rd Olympic 3-0303
Wayne, Pa, 620 Bob White Rd Murry 8-1234
ANSUL CHEM CO, 1 Stanton St, Marinette, Wis Redwood 5-7411
Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-1382
Burlingame, Cal, 1450 Chapin Ave Diamond 2-2805
Chicago 17, Ill, 8933 Stony Island Ave Regent 1-0650
Cleveland 15, Ohio, Euclid Ave & E 14 St Cherry 1-1388
Detroit, Mich, 13325 Puritan Ave Broadway 3-6880
Houston 23, Tex, P O Box 18445 Capitol 7-4159
Kansas City, Mo, 3303 Gillham Rd, P O Box 4755 Jefferson 1616
Los Angeles 22, Cal, 6470 Corvette St Raymond 3-8931
Mountainside, N J, 1376 Rte 22 Adams 2-4100
N Y C: Murray Hill 2-9128

ANTARA CHEMS, DIV GENERAL ANILINE & FILM CORP, 435 Hudson St, N Y 14 Watkins 4-0600
Charlotte 1, N C, 2459 Wilkinson Blvd Edison 3-4121
Chattanooga 7, Tenn, 4301 Rossville Blvd Madison 9-3282
Chicago 7, Ill, 310 W Polk St Harrison 7-3771
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-7321
Phila 2, Pa, 42 S 15 St Rittenhouse 6-2838
Portland 5, Ore, 1007 Terminal Sales Bldg Capitol 8-3365
Providence 3, R I, 85 Tockwotton St Gaspee 1-1585
San Francisco 5, Cal, 37 Clementina St Exbrook 2-0300

Apache Powder Co, P O Box 518, Benson, Ariz Juniper 6-2217
El Paso, Tex, Hotel Paso del Norte Keystone 3-3023
Phoenix, Ariz, 406 Title & Trust Bldg Alpine 8-0243

Applied Plastics Co Inc, 130 Penn St, El Segundo, Cal OR 8-7556

AQUAFIL CO, 321 State St, Los Altos, Cal Whitecliff 8-6543

Arabol Mfg Co, 110 E 42 St, N Y 17 Oxford 7-1150
Atlanta 12, Ga, 225 Moore St SE Cypress 7731
Boston 10, Mass, 12 Commercial Wharf Capitol 7-7178
(Chicago) Cicero 50, Ill, 1829 S 54 Ave Bishop 2-1254
Cincinnati 20, Ohio, 725 Riddle Rd Kirby 1-8467
Denver 16, Col, 4401 E 46 Ave Fremont 7-4471
Itasca, Tex, 125 W Spurgeon St Murray 7-2581
Los Angeles 22, Cal, 6455 E Canning St Raymond 3-6571
McAllen, Tex, 101 N 20 St Murray 6-6812
Phila 47, Pa, 15 Lombard St Lombard 3-5505
Portland, Ore, 208 S E Hawthorne St East 6640
St Louis 4, Mo, 2500 Texas Ave Prospect 3-2875
San Francisco 3, Cal, 1950 16 St Underhill 3-1218
Tampa, Fla, 101 N 12 St 2-7420

ARAPAHOE CHEMS, INC, 2800 Pearl St, Boulder, Col Hillcrest 2-1926

Archer-Daniels-Midland Co, Chem Products Div, 700 Investors Bldg, Minneapolis 2, Minn Federal 3-6884
Atlanta 10, Ga, 650 Murphy Ave SW Plaza 5-6336
Cambridge, Mass, 263 5 St Kirkland 7-9081
Chicago 30, Ill, 4761 W Touhy Ave Irving 8-5690
Cincinnati 2, Ohio, 710 Fed Reserve Bank Bldg Garfield 1-1638
Cleveland 2, Ohio, 2191 W 110 St Woodbine 1-4690
Detroit, Mich, 1900 E Jefferson Ave Lorain 7-8030
Houston 10, Tex, 2525 Cline St Capital 8-9373
Kansas City 4, Mo, Centennial Bldg, Rm 850 Harrison 1-7448
Los Angeles 22, Cal, 6608 E 26 St Raymond 3-4711
Milwaukee 6, Wis, 3003 W Hopkins Uptown 3-4567
N Y 7, 225 Broadway Digby 9-0750
Phila 18, Pa, 18 Hilltop Rd Chestnut Hill 7-7000
Pittsburgh, Pa, Keenan Bldg, 17 floor Atlantic 1-9373
St Louis, Mo, 1401 Gratiot St Geneva 6-2633
San Francisco, Calif, 1495 Custer Ave Mission 8-0967

Ardmore Chem Co, Inc, 840 Valley Brook Ave, Lyndhurst, N J Webster 3-3200

Arneol Chem Corp, 40-33 23 St, LIC 1 N Y Stillwell 4-0948

M Argueso & Co, Inc, 441 Waverly Pl, Mamaroneck, N Y Owens 8-8500
Laredo, Tex, 2020 Hidalgo St 3-6111

ARGUS CHEM CORP, 633 Court St, Bklyn 31, N Y Ulster 8-5678

Cleveland 15, Ohio, 2063 E 4 St Superior 1-3288

Aries Labs, Inc, 45-33 Davis St, LIC 1, N Y Ravenswood 9-9001

ARIZONA CHEM CO, 30 Rockefeller Plaza, N Y 20 Circle 7-0100

Arkansas Louisiana Chem Corp, P O Box 1734, Shreveport, La 2-2141

►ARMOUR INDUSTRIAL CHEM CO, DIV ARMOUR & CO,
110 N Wacker Dr, Chicago 6, Ill Andover 3-5200
Atlanta, Ga, 3127 Maple Dr N E Cedar 7-9291
Charlotte, N C, 2000 Thrift Rd Edison 4-4703
Cleveland, O, 3704 Orange Ave Endicott 1-1160
Dallas, Tex, 5738 Central Expwy Taylor 3-2804
Detroit, Mich, 18450 Livernois Ave Diamond 1-8768
Houston, Tex, 1016 Commerce St Capitol 2-1171
Indianapolis, Ind, 58 S Downey St Fleetwood 9-4139
Lodi N J, Meta Lane Gregory 2-7900
NYC: Longacre 4-5955
Midland, Tex, 139 Allen Bldg Mutual 3-1372
Phila, Pa, 917 Noble St Poplar 5-3001
Pittsburgh, Pa, 301 Anderson St Cedar 1-7350
St Louis, Mo, 4378 Lindell Blvd Jefferson 5-7750
Tulsa Okla, 1 N Detroit Cherry 2-1800

►AMMONIA DIV,
110 N Wacker Dr, Chicago 6, Ill Andover 3-5200
Lodi, N J, Meta Lane Gregory 2-7900
Los Angeles 22, Cal 2001 Saybrook Ave Raymond 3-8533
Memphis, Tenn, 1157 Terminal St Whitehall 8-0433

►FATTY ACID DIV,
110 N Wacker Dr, Chicago 6, Ill Andover 3-5200

►FATTY NITROGEN DIV,
110 N Wacker Dr, Chicago 6, Ill Andover 3-5200

Armour Alliance Industries, Adhesive Dept, 16123 Armour St N E, Alliance, Ohio TA 1-3510
Chicago 9, Ill, 1355 W 31 St Lafayette 3-7000
High Point, N C, 235 Hamilton St 6932
Lodi, N J Gregory 2-7900
Philadelphia 23, Pa, Delaware & Spring Garden Sts Market 7-0160

ARMOUR PHARMACEUTICAL CO, BIO-CHEM DEPT, Kankakee, Ill WE 2-6771
Chicago 1, Ill, Prudential Plaza Michigan 2-1611
Jersey City, N J, 140 Bay St Oldfield 3-5080
San Carlos, Calif, 916 American St Lytell 1-4457

Armstrong Cork Co, Lancaster, Pa Express 7-0611
Boston, Mass, 200 1st Ave Hillcrest 4-5700
Chicago, Ill, 6535 Irving Pk Rd Pensacola 6-9440
Cincinnati 37, Ohio, 1057 Meta Dr Elmhurst 1-3330
Cleveland 14, Ohio, 2975 Superior Ave Main 1-7900
Detroit 26, Mich, 321 Lafayette Ave Woodward 3-5670
Greenville, S C, 33 Norwood Pl Cedar 3-5302
Lancaster, Pa, Liberty & Charlotte Sts Express 7-0611
Los Angeles 22, Cal, 5983 E Smithway St Raymond 3-9381
N Y 16, 295 5 Ave Murray Hill 4-6900
Phila 2, Pa, 15 & Chestnut Sts Locust 4-4290
St Louis 10, Mo, 1919 Hampton Ave Regent 3-9981

Armstrong Paint & Varnish Works, Inc, 1330 S Kilbourn Ave, Chicago 23, Ill Rockwell 2-7000

Arnold, Hoffman & Co, Inc, 55 Canal St, Providence, R I Gaspee 1-2935
Atlanta, Ga, 3219 Cains Hill Pl, N W Cherokee 2193
Charlotte, N C, 2130 N Tryon St Franklin 5-7336

Arol Chem Products Co, 371-381 Wayne St, Jersey City 2, N J Henderson 2-4710

Asbury Graphite Mills, Inc, Asbury, N J Hampton 3011

Ash Grove Lime & Portland Cement Co, 1105 Fairfax Bldg, 101 W 11 St, Kansas City 5, Mo Victor 2-4455
Omaha 2, Neb, 1330 First Nati Bank Bldg Atlantic 5234

Asheville-Schoonmaker Mica Co, 910 Jefferson Ave, Newport News, Va Chestnut 4-7311
Chicago 39, Ill, 1608 N Meade Ave Berkshire 7-7373
N Y 13, 271 Church St Worth 6-4550
Rocky River, Ohio, 19115 Detroit Rd Edison 1-4433

Atlantic Chem Corp, 153 Prospect St, Passaic, N J Gregory 3-6012

Atlantic Powdered Metals, Inc, 38 Park Row, N Y 38 Cortlandt 7-7396

Atlantic Refining Co, 260 S Broad St, Phila, Pa Pennypacker 5-2345

Atlas Mineral Products Co, 171 Weber St, Mertztown, Pa Topton: Overbrook 2-7171
Berkeley 10, Cal, 605 Addison St Thornwall 3-6826
Chicago 12, Ill, 1107 S Washtenow Ave Van Buren 6-1155
Detroit 7, Mich, 1900 E Jefferson Ave Lorain 7-4706
Houston, Tex, 701 N San Jacinto St Capitol 7-7151
Kirkland, Wash, 8247 116 Ave, N E Vandyke 2-6456
Los Angeles 12, Calif, 164 S Central Ave
N Y 17, 475 5 Ave Murray Hill 3-1868
Phila 10, Pa, 1436 Land Title Bldg Rittenhouse 6-0298
Pittsburgh 10, Pa, 1915 Brownsville Rd Tuxedo 2-1000
San Carlos, Calif, 1063 Old Country Rd Lytell 3-3186
Seattle 4, Wash, 1251 Occidental Ave Elliot 2966

ATLAS POWDER CO, CHEMS DIV, Concord Pike & New Murphy Rd, Wilmington 99, Del Olympia 8-6511
Atlanta, Ga, 357 Foundry St N W Jackson 5-4338
Chicago 3, Ill, 135 S LaSalle St Franklin 2-9530
Los Angeles 13, Cal, 411 W 5 St Michigan 4-8896
N Y 17, 60 E 42 St Murray Hill 7-1730
San Francisco 4, Cal, 1 Montgomery St Garfield 1-8640

Explosives Div, Concord Pike & New Murphy Rd, Wilmington 99, Del Olympia 8-6511
Chicago, Ill, 135 S LaSalle St Franklin 2-9530
Joplin, Mo, Box 471, 612 First Natl Bldg Mayfair 4-0924
Knoxville, Tenn, Hamilton Natl Bank Bldg 2-2147
Pittsburgh, Pa, Oliver Bldg, Mellon Sq Atlantic 1-2684
San Francisco 4, Cal, 1 Montgomery St Garfield 1-8640
Seattle, Wash, 1320 Joseph Vance Bldg Main 5110

Atlas Refinery, Inc, 142 Lockwood St, Newark 5, N J Market 2-2002
Chicago 6, Ill, 110 N Franklin St State 2-0327

Atomic Basic Chems Corp, 360 Regis Rd, Pittsburgh 36, Pa Tuxedo 2-7411

Austin White Lime Co, P O Box 53, Austin, Tex Homestead 5-6591

B

B B Chem Co, 784 Memorial Dr, Cambridge, Mass Kirkland 7-8500

A Babkow & Co, 2772 W 5 St, Bklyn 25, N Y
N Y 36, 330 W 42 St LO 4-3000

►BAIRD CHEM INDUSTRIES, INC,
5 W 32 St, N Y 1 LA 4-8961

H J BAKER & BRO, 600 5 Ave, N Y 20 Plaza 7-6750
Atlanta 5, Ga, 361 E Paces Ferry Rd N E Cedar 3-4448
Chicago 4, Ill, 208 S LaSalle St Central 6-4355
Savannah, Ga, Savannah Bank Bldg Adams 2-4082
Tampa 60, Fla, P O Box 1273 2-0717

BAKER CASTOR OIL CO, 40 Avenue A, Bayonne, N J Hemlock 6-8800
Chicago 45, Ill, 5915 N Lincoln Ave Long Beach 1-6506
Los Angeles 22, Cal, 5585 E 61 St Raymond 3-1318

►J T BAKER CHEM CO,
N Broad St, Phillipsburg, N J Glencourt 4-2151
Chicago, Ill, 435 N Michigan Ave Superior 7-9490
N Y C, 122 E 42 St Oxford 7-1640
Pasadena 5, Cal, 170 E California St Ryan 1-9613

BARADA & PAGE, INC, Guinotte & Michigan Aves, Kansas City 20, Mo Victor 2-6240
Baton Rouge 2, La, 1021 W McKinley St Dickens 2-4794
Corpus Christi, Tex, 1509 N Tancahua Tulip 3-8464
Dallas 10, Tex, 3 & Borich Sts Hamilton 1-7668
Ft Worth 1, Tex, 2800 S Main St Walnut 7-8472
Houston 21, Tex, Murphy & Kirbyville Sts Mission 4-5461
New Orleans 18, La, Maple & Leake Aves University 1-8191
Odessa, Tex, 125 S Grandview Ave Federal 7-7323
Oklahoma City 1, Okla, 1700 W Grand Ave Central 2-1351
St Louis 7, Mo, Ft of Destrehan St Central 1-0944
Tulsa 3, Okla, 6550 E Skelly Dr, P O Box 4628 Luther 5-1251
Wichita 4, Kan, 2041 N Mosley Ave Amherst 7-6293

►BARCLAY CHEM CO, INC,
75 Varick St, N Y 13 Worth 6-4533

Barco Chem Products Co, 701-3 S LaSalle St, Chicago 5, Ill Harrison 7-2916

BARECO WAX CO DIV, PETROLITE CORP, P O Box 390, Kilgore, Tex 5077
Ardmore, Pa, 119 Coulter Ave Midway 9-1440
Chicago, Ill, 332 S Michigan Webster 9-0917
N Y 17, 150 E 42 St Oxford 7-2464

Barium & Chems, Inc, 4043 Erie St, Willoughby, Ohio Whitehall 2-5151

Barlow Chem Corp, Barlow Lane, Ossining, N Y Wilson 1-2612

BARNEBEY-CHENEY CO, Cassady & 8 Aves, Columbus 19, Ohio Clearbrook 8-9501
Los Angeles 15, Cal, 1206 W 11 St Richmond 9-5139
San Antonio 9, Tex, 4002 Broadway Taylor 6-8677

Barnett Labs, 6256 Cherry Ave, Long Beach 5, Cal Garfield 2-3858

BAROID CHEMS, INC, 1809 S Coast Bldg, Houston 2, Tex Jackson 4-6381
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-8656
Kansas City 3, Kans, 3511 W 4R St Skyline 1-0331
N Y 21, 425 E 63 St Templeton 2-8345
Pitman, N J, 815 Highland Terr Luther 9-0830
Pittsburgh 36, Pa, 191 Columbia Dr Olympia 3-1749
Silver Lake, Ohio, 2866 N Park Dr Walnut 9-1049

Baroid Div, National Lead Co, 2404 Danville St, P O Box 1675, Houston, Tex JA 4-6381

G Barr & Co, 3601 S Racine Ave, Chicago 9, Ill Yards 7-1700
N Y 70, 4747 Bronx Blvd Fairbanks 5-7870

Barrett Div see Allied Chem Corp

Barton Chem Co, 1230 W 46 St, Chicago, Ill, Yards 7-3677

Basic Plastic Materials, Inc, Howard St, Winchester, N H 140

Bates Chem Co, Scottdale Rd, Lansdowne, Pa Madison 3-0805

Beacon Chem Industries, Inc, 33 Richdale Ave, Cambridge 40, Mass University 4-2500

►BECCO CHEM DIV, FOOD MACHY & CHEM CORP, Station B, Buffalo 7, N Y Bedford 8300
Charlotte 1, N C, P O Box 10062 Franklin 6-8581
Chicago, Ill, 6034 N Cicero Ave Avenue 2-1197
Framingham, Mass, Fountain St Trinity 5-6141
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-4086
N Y 17, 420 Lexington Ave Murray Hill 3-8227
Phila 48, Pa, 44 E Oregon Ave Howard 5-6280
Vancouver, Wash, P O Box 154 Butler 9-5595

Beck Equipment Co, 3350 W 137 St, Cleveland 11, O Winton 1-8355

Beechem Labs, 1102 W State St, St Johns, Mich 218

Belle Chem Co, Inc, 534 Pearl St, Reading, Pa FR 4-4855
Charlotte, N C, 2300 N Brevard St ED 3-2809
Womelsdorf, Pa, Lavino Rd LU 9-1086

Bell-Ray Chem Corp, 3132 W Garfield Ave, Milwaukee 8, Wis Hilltop 2-3060

BELMONT SMELTING & REFINING WORKS, INC, 330 Belmont Ave, Bklyn 7, N Y Dickens 2-4900

Belray Chem Co, Inc, 216 E 70 St, N Y 21 BU 8-3790

Ben Venue Labs, Inc, 270 Northfield Rd, Bedford, Ohio BE 2-3320
Pittsburgh 19, Pa, 1123 Bigelow Apts Atlantic 1-4990

Bennett, Inc, 678 Massachusetts Ave, Cambridge, Mass Trowbridge 6-3200

►BENZOL PRODUCTS CO,
237 South St, Newark 5, N J Market 4-4242
N Y 5, 65 Pine St Bowling Green 9-5785
Phila 4, Pa, 101 N 33 St Evergreen 6-2277

BERGSTROM TRADING CO, INC, 233 Broadway, N Y 7 Worth 2-5170

F W Berk & Co, Inc, Park Pl E, Wood-Ridge, N J Webster 9-4600

►**BERKSHIRE CHEMS INC, SUBS VITRO CORP OF AMERICA,** 630 3 Ave, N Y 17 Yukon 6-8855
Boston 10, Mass, 41 Commercial Wharf Capitol 7-3778
Camden 3, N J, 532 Cooper St Woodlawn 3-4994
Chicago 26, Ill, 1607 Howard St Rogers Park 4-6712
Cleveland 3, O, 4500 Euclid Ave Utah 1-8181
Compton, Calif, 1625 W El Segundo Blvd Nevada 6-8212
Pittsburgh 4, Pa, 60 Greenway Dr Federal 1-3550
Berkshire Color & Chem Corp, 210 Albany St, Springfield, Mass Republic 6-8359
Bernard Chem Products Co, 98-21 Linden Blvd, Ozone Park 17, N Y Virginia 3-5781
Bestick Adhesives Inc, 40 Renwick St, N Y 13, AL5-0114
Bethlehem Steel Co, Bethlehem, Pa UN 7-2424
BETTER FINISHES & COATINGS, INC, 268 Doremus Ave, Newark 5, N J Market 4-6700
James V Bibbo Co, 81 Heatherdell Rd, Ardsley, N Y OW 3-4993
Bio-Rad Labs, 1253 S 32 St, Richmond, Cal Beacon 4-4130
Berkeley, Cal, 800 Delaware St Thornwall 3-0923
Biorganic Labs, Inc, 75 Chamberlain Ave, E Paterson, N J Swarthmore 6-2600
Glower M Birk, Mfg Chemist, 2103 Monon Ave, New Albany, Ind WH 4-6073
J Bishop & Co Platinum Works, E King St, Malvern, Pa Niagara 4-3100
Chicago, Ill, 116 S Michigan Ave
BLOCKSON CHEM CO, DIV OLIN MATHIESON CHEM CORP, Patterson Rd, Joliet, Ill 2-6601
BOLER PETROLEUM CO, 119 Coulter Ave, Ardmore, Pa Midway 9-1440
Boston, Mass, 298 Atlantic Ave Hancock 6-4953
Chicago 4, Ill, 332 S Michigan Ave Webster 9-0917
BONEWITZ CHEMS, INC, P O Box 589, 1731 N Roosevelt Ave, Burlington, Iowa Plaza 4-6561
Manteca, Cal, P O Box 849, 301 Wetmore Talbot 3-4251
Bopf-Whittam Corp, 1135-53 Elizabeth Ave W, Linden, N J Hunter 6-4020
►**(THE) BORDEN CHEM CO, DIV BORDEN CO,** 350 Madison Ave, Dept CW-9, NY 17 Murray Hill 7-4100
Seattle 8, Wash, 6010 Airport Way Rainier 3700
►**CASEIN DEPT,** 360 Madison Ave, N Y 17 Murray Hill 7-4100
Borne Chem Co, Inc, 636 S Front St Elizabeth, N J Flanders 1-1717
Charlotte, N C, 600 Atando Ave Edison 2-8810
HENRY BOWER CHEM MFG CO, Grays Ferry Rd & 29 St, Phila 46, Pa Howard 5-2100
Bram Metal-Chem Co, 820 65 Ave, Phila 26, Pa Waverly 4-2121
BRAZILIAN INDUSTRIAL OILS, INC, 75 West St, N Y 6 DI 4-5393
BRISTOL LABS, INC, 630 5 Ave, N Y 20 Plaza 7-8520
Atlanta, Ga, 1014 Crescent NE Trinity 2-8440
Chicago 7, Ill, 509 W Roosevelt Rd Seeley 3-7720
Los Angeles 22, Cal, 2239 S Yates Ave Raymond 3-6551
Salt Lake City, Utah, 357 S 2 St E Elgin 9-8311
S Hackensack, N J, Rt 46, P O Box 97 Diamond 2-0045
S San Francisco, Cal, 145 Sylvester Rd Plaza 6-4614
Syracuse 1, N Y, Thompson Rd, P O Box 657 Howard 3-6211
Britex Corp, 17-18 Lewis Wharf, Boston 10, Mass Richmond 2-0233
Brokston Chem Co, 37 Silver Rd, Brockton, Mass Juniper 6-3080
Bromine Producers Co, 1219 E Church St, Adrian, Mich Colfax 5-8964
Brooklyn Color Works, Morgan & Norman Aves, Bklyn 22, N Y Evergreen 8-8440
Brothers Chem Co, 575 Forest St, Orange, N J 5-6100
►**BROWN CO,** 150 Causeway St, Boston 14, Mass Capitol 7-6070
Chicago 1, Ill, 2225 Prudential Plaza Central 6-6493
N Y 36, 500 5 Ave Pennsylvania 6-2260
San Francisco 5, Cal, 681 Market St Yukon 2-1986
R J BROWN CO, 1418 Wittenberg Ave, St Louis 10, Mo Jefferson 1-0840
Argenta, Ill P O Box 128 8-4922
Chicago 38, Ill, 5000 S Merrimac St (Petroleum Solvents Div) Reliance 5-7700
Cleveland 4, Ohio, 2890 E 83 St (Bronoco Solvent & Chem Div) Broadway 1-4100
Detroit 11, Mich, 8930 Foster Ave Walnut 1-4380
Lansing 1, Mich, 1800 Glenrose Ave (Michigan State Solvent Div) Ivanhoe 5-2513
Louisville 10, Ky, 1316 W Kentucky St (Bauer-Brown Solvent Div) Juniper 3-0369
Memphis, Tenn, 377 Bodley Ave (Solvents Div) Whitehall 6-1601
BROWNING CHEM CORP, 295 Madison Ave, N Y 17 MU 6-5420
Brush Beryllium Co, 4301 Perkins Ave, Cleveland 3, Ohio Endicott 1-5400
Bryant Chem Corp, 6 North St, N Quincy, Mass President 3-8710
Spartanburg, S C, 1052 Otis Blvd 2-3555
►**BRYTON CHEM CO,** 1270 Ave of the Americas, N Y 20 Judson 6-3430
Marcus Hook, Pa, P O Box 418 Chester 5-3561
Buckeye Cellulose Corp, Cellulose & Specialties Div, 2899 Jackson Ave, Memphis 8, Tenn FA 4-8861
Buffalo Solvents & Chems Group see Solvents & Chems Group
Bunker Hill Co, 660 Market St, San Francisco 4, Cal EX 2-7005
Los Angeles 22, Cal, 2151 Yates Ave Raymond 3-7178
Oakland 7, Cal, 1336 16 St Glencourt 1-6517
Portland 9, Ore, 1233 N W Kearney St Capitol 3-2818
Seattle 4, Wash, 2700 16 Ave S W Main 3-1095
Burkart-Schier Chem Co, 1228 Chestnut St, Chattanooga 2, Tenn Amherst 6-0101
Knoxville, Tenn, 1705 Boone St 2-1119
Nashville, Tenn, 809 16 Ave N Alpine 5-0487
BURTONITE CO, 166 Chestnut St, P O Box 7CW, Nutley 10, N J 2-5700

C

Cabell Chem Co, 101 22 St, Huntington 3, W Va JA 2-0178
GODFREY L CABOT, INC, 125 High St, Boston 10, Mass Liberty 2-7300
Akron 8, Ohio, 518 Ohio Bldg Franklin 6-5168
Chicago 4, Ill, 141 W Jackson Blvd Webster 9-6488
Dallas, Tex, 1309 Main St (Cabot Carbon Co) Riverside 1-6117
Los Angeles 5, Cal, 3350 Wilshire Blvd Dunkirk 2-7333
New Brunswick, N J, 46 Bayard St Kilmer 5-1828
N Y 17, 60 E 42 St Yukon 6-7127
Cadet Chem Corp, Lockport-Olcott Rd, Burt 3, N Y Newfane: Spring 8-8555
Calcium Carbonate Co, 520 S 4 St, Quincy, Ill Baldwin 3-5165
Chicago 4, Ill, 855 Board of Trade Bldg Wabash 2-6575
(The) California Ink Co, Inc, 545 Sansome St, San Francisco 11, Cal Exbrook 7-1212
Honolulu 13, Hawaii, 223 Cooke St 5-2832
Los Angeles 23, Cal, 2939 E Pico Blvd Angelus 3-7391
Phoenix, Ariz, 2222 W Granada Alpine 4-2133
Portland 2, Ore, 5000 S E 18 Ave Belmont 2-3195
Sacramento 16, Cal, 2908 Capitol Ave Gladstone 2-2845
Salt Lake City 1, Utah, 60 S 2 E St Elgin 5-4694
San Diego 4, Cal, 743 9 Ave Belmont 2-7671
Seattle, Wash, 1727 S Alaskan Way Main 2-3215
Spokane 3, Wash, E 217 2 Ave Madison 4-9945
California Spray-Chem Corp, Lucas & Ortho Way, Richmond, Cal Beacon 5-9300
Columbia, S C, P O Box 576 Alpine 3-1654
Fresno 7, Cal, P O Box 48 Amhurst 6-9508
Haddonfield, N J, 133 Kings Hwy E Hazel 9-7181
Maryland Heights, Mo, P O Box 129 Hempstead 2-2731
Maumee, Ohio, P O Box 239 7-7301
Medina, N Y, P O Box 230 926
Memphis 11, Tenn, P O Box 6405 Fairfax 7-7301
Orlando, Fla, P O Box 7067 3-0506
Phoenix, Ariz, P O Box 11068 Applegate 8-8515
Portland 22, Ore, P O Box 5946 Olive 4-5407
Sacramento 10, Cal, P O Box 2227 Gilbert 2-4985
Salt Lake City 10, Utah, P O Box 2060 Hunter 7-7401
San Jose 8, Cal, P O Box 978 Cypress 2-8932
Shreveport, La, P O Box 1164 3-1646
Springfield, Mass, P O Box 402, Highland Sta Republic 9-7396
Whittier, Cal, P O Box 471 Oxford 3-8241
California Stucco Products of N E, Inc, 169 Waverly St, Cambridge 39, Mass Kirkland 7-5300
Geo Callahan & Co, Inc, Closter, N J 5-1209
Callery Chem Co, 9600 Perry Hwy, Pittsburgh 37, Pa Forest 4-1130
CALUMET DIV, CALUMET & HECLA, INC, 1 Calumet Ave, Calumet, Mich
Cambridge Industries Co, 101 Potter St, Cambridge, Mass Elliot 4-7950
Canadian Radium & Uranium Corp, 630 5 Ave, N Y 20 Circle 6-0460
Capital City Products Co, 525 W 1 Ave, Columbus 8, Ohio Axminster 9-1131
Boston, Mass, 126 State St Capital 7-6611
Chicago 12, Ill, 1105 S Washtenaw Ave Nevada 2-0261
Cleveland, Ohio, 2001 Hamilton Ave Prospect 1-4000
Phila, Pa, N American & Berk Sts Regent 9-1542
Pittsburgh, Pa, Penn & Dahlem Sts Montrose 1-3213
Syracuse, N Y, 1309 N Salina St 2-4715
Carboline Co, 32 Hanley Industrial Ct, St Louis 17, Mo MI 7-5795
Houston, Tex, P O Box 14284 Olive 4-9514
N Y C, 299 Madison Ave Murray Hill 7-2429
Oakland 10 Cal, 3718 Grand Ave Glencourt 2-3982
Carborundum Metals Co, P O Box 32, Akron, N Y 9454
Cardinal Chem Co, 200 Green St, San Francisco 11, Calif Garfield 1-5700
CARDOX DIV, CHEMETRON CORP, 840 N Michigan Ave, Chicago 1, Ill Whitehall 4-7450
Branches in all principal cities
Carlisle Chem Works, Inc, Reading, Ohio Valley 1-3660
(Chicago) Berwyn, Ill, 1327 S Harlem Ave Bishop 2-1572
Cleveland 20, Ohio, 3525 Lee Rd Skyline 2-0888
N Y 16, 245 5 Ave Murray Hill 5-8668
Carlstadt Chem Co, 430 13 St, Carlstadt, N J Webster 9-5885
Carroll Ltd, Inc, 2656-70 Salmon St, Phila 25, Pa RE 9-1361
CARUS CHEM CO, INC, 1375 8 St, LaSalle, Ill CA 3-1500
(The) Carwin Co, Stiles Lane, North Haven, Conn Atwater 8-1671
Carwin Polymer Products, Inc (Subs The Carwin Co), Stiles Lane, North Haven, Conn Atwater 8-1671
CARY CHEMS INC, P O Box 1128, New Brunswick, N J Charter 9-8181
CATALIN CORP OF AMERICA, 1 Park Ave, N Y 16 Murray Hill 3-2100
Chicago, Ill, 221 N LaSalle St Central 6-3066
Detroit, Mich, 2970 W Grand Blvd Trinity 3-6096
Hudson, Ohio, P O Box 695 Olympia 3-5482
Los Angeles, Cal, 440 Seaton St Madison 6-1694
Louisville, Ky, P O Box 1162 Juniper 2-1818
Perth Amboy, N J, Box 311 Hillcrest 2-6300
Catalysts & Chems Inc, 1230 S 12 St, Louisville, Ky Melrose 5-2691
Cayuga Rock Salt Co, Inc, Myers, N Y Ithaca: Lansing 4-4221
(The) Cellcote Co, Inc, 4832 Ridgewood Rd, Cleveland 9, O Shadyside 1-4220
Chicago 5, Ill, 600 S Michigan Ave Wabash 2-3754
Princeton, N J, 2 Chestnut St Walnut 1-6969
Birmingham, Ala, 3606 6 Ave Lyric 2-9541

►**CELANESE CORP OF AMERICA, CHEM DIV, Dept 561,** 180 Madison Ave, N Y 16 Murray Hill 9-6000
Atlanta 5, Ga, 3179 Maple Dr N E Cedar 7-4955
(Boston) Framingham, Mass, 24 Union Ave Trinity 3-7413
Charlotte, N C, P O Box 1414 Franklin 7-7411
Chicago 11, Ill, 101 E Ontario St Michigan 2-6166
Cleveland 15, Ohio, 1422 Euclid Ave Cherry 1-1290
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-6100
Houston 25, Tex, 1301 Prudential Bldg Jackson 3-5524
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 2-7461
Palo Alto, Cal, 535 Middlefield Rd Davenport 6-6620
St Louis 8, Mo, 3615 Olive St Jefferson 5-5022
Wilmington 3, Del, 1035F Phila Pike Sycamore 8-9543
Plastics Div, 744 Broad St, Newark 2, N J MI 2-6800
Atlanta 5, Ga, 3179 Maple Dr N E Cedar 7-8687
Chicago 54, Ill, 1514 Merchandise Mart Whitehall 4-5305
Cleveland 15, Ohio, 1422 Euclid Ave Cherry 1-0900
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-1383
Leominster 27, Mass, 27 Main St 4-8346
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 1-3073
N Y 16, 180 Madison Ave Murray Hill 9-6000
Palo Alto, Cal, 535 Middlefield Rd Davenport 6-2153
Celina Stearic Acid Co, 410 S Ash St, Celina, O 3297
Cellofilm Industries, Union Ave, P O Box 25, Woodridge, N J Geneva 8-7100
N Y C: Longacre 4-2063
Central Chem Div, Wilson & Co, Inc, Prudential Plaza, Chicago 1, Ill Whitehall 4-4600
Philip Carey Mfg Co, 320 S Wayne Ave, Lockland, Cincinnati 15, Ohio Valley 1-3000
Atlanta 9, Ga, 251 Armour Dr, P O Box 7367, Sta C Trinity 4-5793
(Boston) Cambridge 38, Mass, 22 Moulton St Trowbridge 6-7700
Charlotte 2, N C, 222 S Church St Franklin 7-6562
(Chicago) Bellwood, Ill, 25 & Warren Ave Austin 7-4063
Cleveland 35, Ohio, 4515 W 160 St Orchard 1-6270
Des Moines, Iowa, 5 & Grand Aves CH 4-7113
Detroit 38, Mich, 14420 Livernois Ave Townsend 8-2600
Houston 8, Tex, 1400 N Post Oak Rd, P O Box 19054 Underwood 9-3363
Indianapolis 21, Ind, 1432 Kentucky Ave Melrose 8-9000
Los Angeles 21, Cal, 1760 E 15 St Richmond 8-5207
Memphis 7, Tenn, 1510 Orenda Rd, P O Box 4879, North Sta (7) JA 6-2191
N Y 17, 120 E 41 St Oregon 9-8360
Perth Amboy, N J, Smith St & Victory Bridge Valley 6-6881
Phila 32, Pa, 24 & Sedgley Ave Baldwin 9-6430
Pittsburgh 20, Pa, 1018 Saw Mill Run Blvd Hemlock 1-6334
St Louis 3, Mo, 307 N Theresa Ave Jefferson 1-1930
San Francisco 24, Cal, 101 Williams St Mission 8-4400
Seattle 4, Wash, 505 Dexter Horton Bldg Seneca 2351
CARLISLE CHEM WORKS, INC, Reading, Ohio Valley 1-3660
(Chicago) Berwyn, Ill, 1327 S Harlem Ave Bishop 2-1572
Cleveland 20, Ohio, 3525 Lee Rd Skyline 2-0888
N Y 16, 245 5 Ave Murray Hill 5-8668
Carlstadt Chem Co, 430 13 St, Carlstadt, N J Webster 9-5885
Carroll Ltd, Inc, 2656-70 Salmon St, Phila 25, Pa RE 9-1361
CARUS CHEM CO, INC, 1375 8 St, LaSalle, Ill CA 3-1500
(The) Carwin Co, Stiles Lane, North Haven, Conn Atwater 8-1671
Carwin Polymer Products, Inc (Subs The Carwin Co), Stiles Lane, North Haven, Conn Atwater 8-1671
CARY CHEMS INC, P O Box 1128, New Brunswick, N J Charter 9-8181
CATALIN CORP OF AMERICA, 1 Park Ave, N Y 16 Murray Hill 3-2100
Chicago, Ill, 221 N LaSalle St Central 6-3066
Detroit, Mich, 2970 W Grand Blvd Trinity 3-6096
Hudson, Ohio, P O Box 695 Olympia 3-5482
Los Angeles, Cal, 440 Seaton St Madison 6-1694
Louisville, Ky, P O Box 1162 Juniper 2-1818
Perth Amboy, N J, Box 311 Hillcrest 2-6300
Catalysts & Chems Inc, 1230 S 12 St, Louisville, Ky Melrose 5-2691
Cayuga Rock Salt Co, Inc, Myers, N Y Ithaca: Lansing 4-4221
(The) Cellcote Co, Inc, 4832 Ridgewood Rd, Cleveland 9, O Shadyside 1-4220
Chicago 5, Ill, 600 S Michigan Ave Wabash 2-3754
Princeton, N J, 2 Chestnut St Walnut 1-6969
Birmingham, Ala, 3606 6 Ave Lyric 2-9541

CENTRAL RESEARCH LABS, GENERAL MILLS, INC, 2010 E Hennepin Ave, Minneapolis 13, Minn FE 6-0371
N Y 38, 156 William St Cortlandt 7-6700
Park Ridge, Ill, 460 S Northwest Hwy Talcott 5-1133
Valley Stream, L I, N Y, 108 S Franklin Ave 5-5152

Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill Wellington 5-8600
Birmingham 4, Ala, 3232 11 Ave N
Cambridge 42, Mass, 79 Amherst St
Los Angeles 22, Cal, 6446 Telegraph Rd
Mountainside, N J, 237 Sheffield St
Santa Clara, Cal, 1040 Martin Ave

Central Solvents & Chems Co see **Solvents & Chem Group**

Ceresit Waterproofing Corp, 3227 S Shields Ave, Chicago 16, Ill DA 6-5757

CHAPMAN CHEM CO, 60 N 3 St, Memphis 1, Tenn Jackson 7-8316
Charlotte 4, N C, 207 Hawthorne Lane Edison 4-2714
Minneapolis 15, Minn, 540 Sexton Bldg Federal 6-9466
San Francisco 27, Cal, 35 Vicente Juniper 7-2921

Charcoal Corp of America, P O Box 13, Asheville, N C

Chase Chem Corp, 3527 Smallman St, Pittsburgh 1, Pa Museum 1-6544

Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill Whitehall 4-3100
See separate listings by divisions:
Cardox Div
Girder Catalysts
National Cylinder Gas Div

CHEMICAL AFFILIATES, INC, 276 Madison Ave, N Y 16 Murray Hill 3-2593

Chemical Coatings & Engrg Co, 222 Brooke St, Media, Pa Lowell 6-7470

CHEMICAL COMMERCE, 166 Clifford St, Newark 5, N J Mitchell 2-1457

Chemical Compounding Corp, 262 Huron St, Bklyn 22, N Y EV 9-5585

Chemical Development Corp, Endicott St, Danvers, Mass SP 4-1990

Chemical Formulators, Inc, Box 26, Nitro, W Va PL 5-3611

Chemical Insecticide Corp, 30 Whitman Ave, Metuchen, N J Liberty 9-2300

Chemical Intermediates & Research Labs, Inc, 445 Munroe Falls Ave, Box 146, Cuyahoga Falls, O WA 8-8113

CHEMICAL MFG CO, INC, 444 Madison Ave, N Y 22 Murray Hill 8-8700
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-7235
San Francisco 4, Cal, 114 Sansome St Yukon 6-3787

CHEMICAL & PIGMENT CO, 766 50 Ave, Oakland 1, Cal Andover 1-1680

Chemical Process Co, 1901 Spring St, Redwood City, Cal Emerson 9-0071
Chicago, Ill, 5522 W North Ave Tuxedo 9-6087
Huntington Pk, Cal, 3048-AE Gage Ave Ludlow 8-8171
Phila 44, Pa, 22 Maplewood Baldwin 6-1450
Tacoma 1, Wash 1501 E Taylor Way BR 2-2020

CHEMICAL PRODUCTS CORP, P O Box 815, Cartersville, Ga Evergreen 2-2144

Chemical Products Corp, King Philip Rd, E Providence 14, R I Geneva 4-1770
Rivera, Cal, 9528 Carron Dr Raymond 3-2760

CHEMICAL SOLVENTS, INC, 1105 Military Park Bldg, Newark 2, N J Market 2-3650

Chemical Specialties Co, 503 N Beachwood Dr, Los Angeles 4, Cal HO 4-7879

CHEMIRAD CORP, P O Box 96, Milltown, N J Charter 6-0323

Chemo Puro Mfg Corp, 150 Doremus Ave, Newark 5, N J Mitchell 3-6435
Boston, Mass, 177 Milk St Hubbard 2-1707
Clear Lake, Ia, 1821 W 5 Ave Fleetwood 7-4217
Deland, Fla, 516 W Pennsylvania Ave 427-5
Evanston, Ill, 2106 Lake Ave Davis 8-8929
Glendale, Cal, 403 S Central Ave Chapman 5-4449
Indianapolis, Ind, 7225 S East St Tucker 1-4135

CHEMSOL, INC, Washington Ave & Franklin St, New Market, N J

CHICAGO COPPER & CHEM CO, 127 & Division Sts, Blue Island, Ill Fulton 5-0606

Chicago Sanitary Products Co, 3104 S Throop St, Chicago 8, Ill Virginia 7-2280

Chipman Chem Co, Inc, Bound Brook, N J Elliot 6-6100
Bessemer, Ala, P O Box 563 8-2377
Chicago 5, Ill, 608 S Dearborn St Harrison 7-9292
Palo Alto, Cal, P O Box 679 Davenport 3-4161
Pasadena, Tex, P O Box 272 Greenwood 2-5581
Portland, Ore, 6200 N W St Helens Rd Capitol 2-1041

CHARLES B CHRYSTAL CO, INC, 53 Park Pl, N Y 7 Barclay 7-2151

CHURCH & DWIGHT CO, INC, 70 Pine St, N Y 5 Digby 4-2181
Birmingham 3, Ala, 1001 Comer Bldg Alpine 1-7359
Chicago 5, Ill, 608 S Dearborn St Harrison 7-1065
Oakland 12, Cal, 1540 San Pablo Ave Higate 4-1349

CIBA CO, INC, Rte 208, Fair Lawn, N J Swarthmore 1-1122
Charlotte 1, N C, 1517 Hutchison Ave Edison 2-3181
Los Angeles 23, Calif, 3390 E Olympic Blvd Angeles 9-2169
Phila 40, Pa, 4241 N 2 St Gladstone 5-5507
Rumford, R I, 331 N Broadway Geneva 4-2424
Skokie, Ill, 7535 Lincoln Ave Juniper 8-3941

Ciba Products Corp, P O Box 415, Fair Lawn, N J Swarthmore 1-1122

CITY CHEM CORP, 130 W 22 St, N Y 11 WA 9-2723
Jersey City 2, N J, 100 Hoboken Ave Oldfield 3-6900

Clarkson Labs, Inc, 920-30 N Darien St, Phila 23, Pa Market 7-6764

Claremont Pigment Dispersion Corp, 39 Powerhouse Rd, Roslyn Hts, L I, N Y Mayfield 1-8800

CLEARBROOK CHEM CO, Box 181, Mt Prospect, Ill

W A CLEARY CORP, P O Box 749, New Brunswick, N J Charter 7-8000
Skokie, Ill, 8747 St Louis Ave Orchard 4-7717

Climax Molybdenum Co, Div American Metal Climax, Inc, 500 5 Ave, N Y 36 LO 4-2740
Chicago 1, Ill, 230 N Michigan Ave Central 6-2027
Los Angeles, Cal, 650 S Grand Ave Madison 7-1028

Clinton Corn Processing Co, Clinton, Iowa Chapel 2-1121
Atlanta 3, Ga, 504 Bona Allen Bldg Jackson 2-8998
Chicago 47, Ill, 1755 N Hoyne Ave Spaulding 2-1800
Cincinnati 4, O, 3250 Southside Ave Blackburn 1-4515
Greenville, S C, 520 E North St Cedar 9-3576
Kansas City 5, Mo, 1016 Baltimore Ave HA 1-3620
Los Angeles 21, Cal, 1248 Wholesale St Trinity 9555
Milwaukee 4, Wis, 106 W Seeboth St Broadway 2-1720
Minneapolis 1, Minn, 705 Palace Bldg Federal 9-4671
N Y 22, 625 Madison Ave Plaza 9-2633
Portland 10, Ore, 2187 N W Reed St Capitol 8-3803
St Louis, Mo, 307 Merchants Exchange Bldg Jefferson 5-0766
San Francisco 7, Cal, 383 Brannan St Yukon 2-1889
Seattle 4, Wash, 1020 4 Ave S Mutual 2-5135
Somerville 43, Mass, 15-R McGrath Hwy Somerset 6-8200

Clinton Metallic Paint Co, 100 Clinton Rd, Clinton, N Y UL 3-2446

Clover Chem Co, Thomas-Wylandville Rd, Eightyfour, Pa Fieldbrook 1-2900

Coastwise Petroleum Co, 1127 Munsey Bldg, Baltimore 2, Md Mulberry 5-3100

Cohutta Talc Co, P O Drawer 928, Dalton, Ga Broadway 8-2344

Colgate-Palmolive Co, 300 Park Ave, N Y 22 Plaza 1-1200
Atlanta 8, Ga, 805 Peachtree St N E Trenton 6-7562
Chicago 11, Ill, 919 N Michigan Ave Whitehall 4-6600
Kansas City, Mo, 406 W 34 St Valentine 1-8860
Newark 2, N J, 494 Broad St Market 4-2800
Oakland 12, Cal, Rm 839 First Western Bldg, 1330 B'way TE 4-2455

Collett-Week Corp, Quimby St, Ossining, N Y Wilson 1-3440

Collier Carbon & Chem Corp, 714 W Olympic Blvd, Los Angeles 15, Cal Richmond 7-6111
Sacramento, Calif, 3517 Marconi Ave Ivanhoe 3-2786
Santa Ana, Calif, 17061 17 St Kimberly 3-8261
Yakima, Wash, 726 W Summitview Ave Chestnut 8-2510

COLONY IMPORT & EXPORT CORP, 11 E 44 St, N Y 17 Murray Hill 2-3160

Colorado Fuel & Iron Corp, Continental Oil Bldg, Denver, Col Cherry 4-0833

►COLTON CHEM CO, DIV AIR REDUCTION CO, INC, 1747 Chester Ave, Cleveland 14, Ohio Main 1-3061
Atlanta, Ga, 736 Hemphill Ave NW Trinity 4-7584
Chicago 23, Ill, 3100 S Homan Ave Bishop 7-6100
Elkton, Md, 329 Main St 1421
Los Angeles 63, Cal, 3409 Medford St Angelus 8-2889
Tampa, Fla, 209-15 S Franklin 2-2034

Columbia-National Corp, 70 Memorial Dr, Cambridge 42, Mass Eliot 4-5400

Columbia Quarry Co, 1007 Washington Ave, St Louis 1, Mo Main 1-4250

COLUMBIA-SOUTHERN CHEM CORP, 1 Gateway Center, Pittsburgh 22, Pa Atlantic 1-5606
Boston 16, Mass, 1256 Little Bldg Hancock 6-2780
Charlotte 2, N C, 205 Johnston Bldg Edison 3-0450
Chicago 11, Ill, 2019 Tribune Tower Bldg Delaware 7-0582
Cincinnati 2, Ohio, 703 Gwynne Bldg Main 1-1065
Cleveland 15, Ohio, 3101 Euclid Bldg Express 1-5622
Dallas 1, Tex, 414 Tower Petroleum Bldg Riverside 1-3508
Houston 2, Tex, 519 Bank of Commerce Bldg Capitol 5-5441
Minneapolis 2, Minn, 1955 Rand Tower Federal 3-2583
New Orleans 12, La, Natl Bank of Commerce Bldg Magnolia 6333
N Y 17, 579 5 Ave Murray Hill 8-8350
Phila 2, Pa, 722 2 Penn Center Locust 4-1170
St Louis 5, Mo, 111 S Bemiston Ave Parkview 5-9090
San Francisco 5, Cal, 625 Market St Yukon 2-0272

Columbia Wax Co, 530 Riverdale Dr, Glendale, Cal Chapman 5-5731
Oakland 12, Cal, 600 16 St Highgate 4-5913
Sacramento 21, Cal, 2760 Fulton Ave Ivanhoe 3-3500
San Diego, Cal, 709 Bank of America Bldg Belmont 3-5553

COLUMBIAN CARBON CO, (including Mapico Iron Oxides Unit), 380 Madison Ave, N Y 17 Murray Hill 7-2300
Akron 9, Ohio, P O Box 209 Jefferson 5-4191
Boston 16, Mass, 803B Park Sq Bldg Hancock 6-0294
Detroit 35, Mich, 15800 W McNichols Rd Broadway 3-5161
Monroe, La, P O Box 1562 Fairfax 3-8422
Phila, Pa, 130 Broadway (Camden, N J) Walnut 5-8577

Colyer Co, 350 Lexington Ave, N Y 16 OX 7-8651

Commercial Minerals Co, 312 Irwin St, San Francisco 7, Cal Hemlock 1-2482

►COMMERCIAL SOLVENTS CORP, 260 Madison Ave, N Y 16 LE 2-6420
Atlanta 3, Ga, 550 Glenn St SW Plaza 8-7202
Boston 29, Mass, 50 Terminal St Charlestown 2-1140
Chicago 14, Ill, 1817 W Fullerton Ave Lincoln 9-7121
Cincinnati 2, Ohio, 49 Central Ave Main 1-4254
Cleveland 13, Ohio, 1220 W 9 St Cherry 1-2693
Detroit 7, Mich, 1900 E Jefferson Ave Lorain 7-2414
Kansas City 11, Mo, 3718 Broadway Valentine 1-6466
Los Angeles 22, Cal, 5052 E Slauson Ave Ludlow 3-4361
New Orleans 12, La, 305 Baronne St JA 2-6117
Newark 5, N J, 196-202 Blanchard St Market 2-0166
St Louis 17, Mo, 7890 Folk Ave Mission 5-3330
San Francisco 4, Cal, 110 Sutter St Exbrook 2-1611

Composition Materials Co, Inc, 25 W 43 St, N Y 36 Bryant 9-3277

CONCORD CHEM CO, INC, 205 S 2 St, Camden 1, N J Woodlawn 6-1526

CONRAY PRODUCTS CO, 129 Pearl St, N Y 5 Hanover 2-6970

Consolidated Chem Industries, Div Stauffer Chem Co, 6910 Fannin St, Suite 300S, Houston, Tex JA 6-2711
N Y 17, 380 Madison Ave Oxford 7-1340
San Francisco 8, Cal, 636 California St Sutter 1-8370

Consolidated Water Power & Paper Co, Appleton Div, 1130 E John St, Appleton, Wisc Regent 3-4461

Continental Chem Co, 195 21 Ave, Paterson, N J Armory 4-4200

►CONTINENTAL OIL CO, 1270 Ave of the Americas, N Y 20 Judson 6-3430
Chicago 1, Ill, Suite 3444 Prudential Bldg Whitehall 3-0944
Englewood, N J, 1 W Forest Ave Lowell 8-8200
New Orleans 12, La, 821 Gravier St, Rm 740 Jackson 2-0664

Peter Cooper Corps, Palmer St, Gowanda, N Y
Boston, Mass, 160 Washington St N Capitol 7-6601
Chicago, Ill, 1455 N Magnolia Ave Brunswick 8-1368
Milwaukee, Wis, Carrollville S Milwaukee 2-3100
Los Angeles, Cal, 910 E 3 St Madison 8-6986
N Y C, 281 11 Ave Chickering 4-3987
Phila, Pa, 1015 Chestnut St Lombard 3-6160
San Francisco, Cal, 593 Market St Douglas 2-1937

Coopers Creek Chem Corp, 99 River Rd, W Conshohocken, Pa Taylor 8-0375

Coplay Cement Mfg Co, 521 5 Ave, N Y 17 Murray Hill 7-2740
Coplay, Pa Colonial 2-5671
Phila 10, Pa, 1310 Land Title Bldg Rittenhouse 6-3540

CORCO CHEM CORP, Jefferson Ave & Canal St, Bristol, Pa Stillwell 8-0464

CORN PRODUCTS CO, 17 Battery Pl, N Y 4 Whitehall 4-0880
Chicago 1, Ill, 75 E Wacker Dr
Memphis, Tenn, 63 S Main St
N Y 1, 350 5 Ave, Rm 7220 Lackawanna 4-4695
San Francisco 11, Cal, 37 Pacific Ave

Cosden Petroleum Corp, Box 1311, Big Spring, Tex Amherst 4-4661

Robert A Coupe, Dunnell Lane, Pawtucket, R I 3-4944

COWLES CHEM CO, 7016 Euclid Ave, Cleveland 3, Ohio Henderson 1-3400
Lockport, N Y, 555 W Jackson St 3-6791
Perth Amboy, N J, 51 New Brunswick Ave Hillcrest 2-9445
Skaneateles Falls, N Y 417

Crescent Chem Co, 15 Park Row, N Y 38 Barclay 7-8119

CRODA, INC, 15 E 26 St, N Y 10 Murray Hill 3-3089

Crossett Chem Co, P O Box 271, Crossett, Ark Forest 4-2141

CROTON CHEM CORP, 114 Liberty St, N Y 6 Rector 2-0403

Crowley Tar Products Co, Inc, 267 Madison Ave, N Y 16 MU 3-1040

Crown Chem Corp, 240 India St, Providence 3, R I Gaspee 1-1248
Graham, N C, 125 E Elm St Canal 6-8105
Greensboro, N C, 703 S Lindell Rd Broadway 2-3665
Peterborough, N H, Sand Hill Rd 378
Ware Shoals, S C, Box 92 West End 2933
Crown Zellerbach Corp, Chem Products Div, Camas, Wash 6801
Crowmoil Chem Co, Inc, 2-14 49 Ave, LIC 1, N Y Stillwell 4-0040
Crucible Steel Co of America, Box 2518 CW, Pittsburgh 30, Pa Atlantic 1-3800
Branches in all principal cities
Cutler-Magner Co, 1116 Fidelity Bldg, Duluth 2, Minn Randolph 2-1418
Minneapolis 2, Minn, 1325 Rand Tower Federal 2-8409

D

Dacar Chem Products Co, McCartney & Wabash Sts, Pittsburgh 20, Pa Walnut 1-3622
Dadant & Sons, Inc, 102 Broadway, Hamilton, Ill 103
Dampney Co, 50 Business St, Hyde Park, Boston 36, Mass Hyde Park 3-2131
N Y 6, 114 Liberty St Digby 9-2630
Phila 8, Pa, 401 N Broad St Walnut 5-2522
DARLING & CO, 4201 S Ashland Ave, Chicago 9, Ill YA 7-3000
DARLINGTON CHEMS, INC, 1420 Walnut St, Phila 2, Pa Kingsley 5-5426
DAVIES NITRATE CO, INC, 114 Liberty St, N Y 6 Rector 2-6095
Davies-Young Soap Co, P O Box 995, Dayton 1, Ohio BA 4-6591
Frank D Davis Co, Meadow Rd, P O Box 292, Nixon, N J Charter 9-8191
Los Angeles 23, Cal, 3285 E 26 St Angelus 9-7311

►**DAVISON CHEM DIV, W R GRACE & CO,** 101 N Charles St, Baltimore 3, Md Saratoga 7-3900
Chicago 3, Ill, 19 S LaSalle St State 2-1670
Cleveland 2, O, 8905 Lake Ave Atlantic 1-6462
Houston, Tex, 4101 San Jacinto Jacinto 6-1456
N Y 17, 420 Lexington Ave Murray Hill 5-5484
Pompton Plains, N J, Box 488 (Rare Earths Dept) Terhune 5-3060
San Francisco, Cal, 2 Pine St Garfield 1-8543
DAWE'S LABS, INC, 4800 S Richmond St, Chicago 32, Ill Virginia 7-3710
Dayton Chem Products Labs, Inc, Box 27CW, W Alexandria, Ohio Temple 9-4160
Dayton Fertilizer Corp, Georges Rd at PRR, Dayton, N J Davis 9-4011
Deecy Products Co, 120 Potter St, Cambridge 42, Mass KI 7-7036
DEGEN OIL & CHEM CO, Ft Kellogg St, P O Box 5C, Jersey City 5, N J Henderson 2-1192
J H DELAMAR & SON, INC, 4529 N Kedzie Ave, Chicago 25, Ill Juniper 8-0508
Delany & Co, Inc, Milnor & Cattman Sts, Tacony, Phila 35, Pa Mayfair 4-5500
Delaware Chems, Inc, 726 King St, Wilmington, Del Olympia 6-4471
Staten Island 9, N Y, 50 Murray St Yukon 4-2500
Delhi-Taylor Oil Co, Chem Div, 415 Madison Ave, N Y 17 Plaza 5-1647
Corpus Christi, Tex, P O Box 4067 Tulip 4-4831
Dallas 1, Tex, 823 Corrigan Tower Riverside 8-5511

►**DELMAR CHEM CO, INC,** Elkton, Md 774
DeMERT & DOUGHERTY, INC, 5000 W 41 St, P O Box 112 (Cicero), Chicago 50, Ill Lafayette 3-5600
Kansas City, Mo, 2539 Southwest Blvd Harrison 1-6203
Milwaukee 3, Wis, 2040 W Wisconsin Ave West 3-3303
St Louis 3, Mo, 1600 Clark Ave Garfield 1-3900
Detrex Chem Industries, Inc, 14331 Woodrow Wilson, P O Box 501, Detroit 32, Mich Townsend 8-8600
Bowling Green, Ky, Emmett Dr & Russellville Rd Victor 2-2411
Chicago 45, Ill, 5875 Lincoln Ave N Longbeach 1-9658
Englewood, N J, 39 Park Pl Lowell 8-1245
Los Angeles 58, Cal, 3027 Fruitland Ave Ludlow 8-9214
W Hartford 7, Conn, 967 Farmington Ave Adams 2-1193
Detroit Chem Works, 125 S Junction Ave, Detroit, Mich VI 1-3700
Devcon Corp, Danvers, Mass SP 4-1990
Dewey & Almy Chem Div, W R Grace & Co, 62 Whittemore Ave, Cambridge 40, Mass Trowbridge 6-1400
Chicago 38, Ill, 6050 W 51 St Portsmouth 7-3223
Owensboro, Ky, Box 61 Murray 4-4964
San Leandro, Cal, 2140 Davis St Lockhaven 8-3427
DIAMOND ALKALI CO, 300 Union Commerce Bldg, Cleveland, Ohio Main 1-6100
Boston 10, Mass, 80 Federal St Liberty 2-0594
Chicago 6, Ill, 20 N Wacker Dr State 2-9550
Cincinnati 29, Ohio, 4701 Paddock Rd Redwood 1-3200
Cleveland 13, Ohio, 633 Penton Bldg Superior 1-8683
Dallas 2, Tex, S Lemar & Lemay Sts Hamilton 1-7607
Houston 2, Tex, 1006 Main St Fairfax 3-7329
Memphis 3, Tenn, 1381 Heistan Pl De Soto Sta Broadway 2-1736
N Y 16, 99 Park Ave Oxford 7-0440
Phila 7, Pa, 12 S 12 St Walnut 5-8017
Pittsburgh 22, Pa, 1323 Oliver Bldg Grant 1-7500
St Louis 8, Mo, 4246 Forest Park Blvd Jefferson 5-2232
Diamond Crystal Salt Co, 916 S Riverside, St Clair, Mich Fairview 9-2211
Akron 9, Ohio, 2065 Manchester Rd, P O Box 151 Sherwood 5-3181
Atlanta 5, Ga, 3121 Maple Dr N E, Box 12263 Cedar 7-6324
Boston, Mass, 10 High St Liberty 2-7825
Charlotte, N C, Independence Co Bldg, Rm 910 Franklin 5-4433
Chicago 6, Ill, 20 N Wacker Dr, Rm 850 Dearborn 2-1536
Detroit 2, Mich, Stephenson Bldg, 6560 Cass Ave, Rm 812 Trinity 2-3317
Louisville, Ky, 4050 Westport Rd, Suite 8, P O Box 67, St Matthew Sta Twinbrook 6-8801
Minneapolis 3, Minn, 1002 Plymouth Bldg Federal 6-9601
New Orleans, La, 3625 Airline Hwy, Metairie Vernon 1-2161
N Y 1, Empire State Bldg, Rm 2207 Chickering 4-8830
WM DIEHL & CO, 120 E 56 St, N Y 22 MU 8-7960
Diversey Corp, 1820 W Roscoe St, Chicago 13, Ill Graceland 7-3000
Atlanta 3, Ga, 101 Marietta St Jackson 5-2351
Cleveland 14, Ohio, 412 Park Bldg Cherry 1-6189
Detroit 8, Mich, 1745 W Grand Ave Tyler 6-5880
Minneapolis 8, Minn, 2614 Nicollet Ave S Taylor 2-2135
Newark 12, N J, 400 Freilinghuysen Ave Bigelow 8-5582
San Francisco 5, Cal, 525 Market St Garfield 1-6715
Somerville 44, Mass, 99 Elmwood St Monument 6-0860
S Gate, Cal, 5720 Imperial Hwy Lorraine 6-4168
Waco, Tex, P O Box 295 Plaza 3-6281
Dixie Solvents & Chems Co see Solvents & Chems Group
Dixo Co, Inc, 158 Central Ave, Rochelle Park, N J HU 9-3737
DIXON CHEM & RESEARCH, INC, 1260 Broad St, Bloomfield, N J Edison 8-4000
Providence, R I, 87 Weybosset St Gaspee 1-1096
Merchantville, N J, Cuthbert Rd Normandy 5-0100
DIXON CHEM INDUSTRIES INC, Cuthbert Rd, Merchantville, N J Normandy 5-0100
Dodge & Olcott, Inc, 180 Varick St, N Y 14 Watkins 4-3600
Atlanta 9, Ga, 45 11 St N E Trinity 3-2050
Boston 16, Mass, Park Sq Bldg Hancock 6-2990
Chicago 40, Ill, 5537 N Clark St Longbeach 1-8996
Cincinnati 4, Ohio, 621 Evans St Grandview 1-8830
Los Angeles 15, Cal, 908 S Oliver St Madison 6-4703
Phila 6, Pa, 503 Arch St Lombard 3-8996
St Louis 17, Mo, 9792 Clayton Rd Wydown 1-6767
Dominion Products, Inc, 10-40 44 Dr, LIC 1, N Y Stillwell 4-3449
Donner-Hanna Coke Corp, P O Box A, S Park Sta, Abby & Mystic Sts, Buffalo 20, N Y Triangle 1600
Douglas Chem Corp, 1624 Darrow Ave, Evanston, Ill Davis 8-7722
Dover Chem Co, Box 2000, Dover, Ohio 4-2197
Cleveland, Ohio, 3482 Ridge Ave Woodbine 1-3340
DOW CHEM CO, Midland, Mich Melrose 6-1000
Atlanta 3, Ga, 1714 Fulton Natl Bank Bldg Murray 8-3085
Boston 16, Mass, 520 Boylston St
Buffalo 2, N Y, 70 Niagara St Mohawk 8825
Camden 2, N J, 400 Market St Woodlawn 6-4150
Charlotte 2, N C, 504 Wachovia Bank Bldg
Chicago 48, Ill, 6000 W Touhy Ave Spring 4-6000
Cincinnati 6, Ohio, 2330 Victory Pkwy Capitol 1-7020
Cleveland 13, Ohio, Terminal Tower Tower 1-5825
Dallas 1, Tex, 1505 Elm St Riverside 2-8691
Detroit 2, Mich, 450 Fisher Bldg Trinity 5-7200
Houston 25, Tex, 6910 Fannin St Jackson 6-1601
Los Angeles 17, Cal, 900 Wilshire Blvd Madison 6-0111
Minneapolis 3, Minn, 1750 Hennepin Ave Federal 3-2373
New Orleans 12, La, 1100 Commerce Bldg Tulane 0206
N Y 20, 45 Rockefeller Plaza Plaza 7-8300
Pittsburgh 22, Pa, 1 Gateway Center Atlantic 1-3030
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-7410
San Francisco 4, Cal, 350 Sansome St Garfield 1-8323
Seattle 1, Wash, 1809 7 Ave Seneca 6488
DOW CORNING CORP, Midland, Mich, Temple 2-2371
Alhambra, Cal, 3033 W Mission Rd Cumberland 3-6621
Atlanta 9, Ga, 1343 Spring St NW Trinity 6-1005
Boston 16, Mass, 1214 Statler Bldg, 20 Providence St Hancock 6-5992
Chicago 39, Ill, 6101 W Fullerton Ave Tuxedo 9-5900
Cleveland 20, Ohio, 3592 Lee Rd Wyoming 1-1900
Dallas 31, Tex, 6778 Greenville Ave, Emerson 8-1307
N Y 20, 600 5 Ave Judson 6-7200
Silver Spring, Md, 8605 Cameron St Juniper 8-3222
B F Drakenfeld & Co, Inc, 45 Park Pl, N Y 7, Barclay 7-6810
Washington, Pa, W Wylie Ave Baldwin 5-5600
Drigard Products Corp, 112 E 19 St, N Y 3 Spring 7-6422
Drug Processors, Inc, 1219 E Church St, Adrian, Mich Colfax 5-8964
DuBois Co, Inc, 1120 W Front St, Cincinnati 3, Ohio GA 1-5100
Dallas, Tex, 1412 Jeffries St, P O Box 1533 Taylor 1-9170
E Rutherford, N J, DuBois Sq S Union Ave Webster 2-3200
Los Angeles, Cal, 300-310 S Mission Rd Angelus 8-0141
T M DUCHE & SONS, INC, UNIGUM DIV, 111 Hudson St, N Y 13 Walker 5-5530
Chicago 10, Ill, 61 W Kinzie St Superior 7-5255
Cleveland, Ohio, 16304 LaVerne St Clearwater 1-3718

►**E I DU PONT DE NEMOURS & CO, INC,** Wilmington 98, Del Prospect 4-1000
Elastomer Chems Dept, Wilmington 98, Del Porter 4-3725
Akron 8, Ohio, 40 E Buchtel Ave Portage 2-8461
Atlanta 3, Ga, 1261 Spring St N W Trinity 5-5391
Boston 10, Mass, 140 Federal St Hancock 6-1711
Charlotte 2, N C, 427 W 4 St Franklin 5-5561
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 6, Tex, 2601A W Grove Lane Mohawk 7-7429
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
Palo Alto, Cal, 701 Welch Rd Davenport 6-7550
Trenton 8, N J, 1750 N Olden Ave Export 3-7141
N Y C: Walker 5-3290
Electrochems Dept, Wilmington 98, Del Prospect 4-1000
Baltimore 2, Md, 321 Fallsway Plaza 2-2862
Boston 10, Mass, 140 Federal St Hancock 6-1711
Charlotte 1, N C, 427 W 4 St Franklin 5-5561
Chicago 46, Ill, 7250 N Cicero Av (Lincolnwood) Independence 3-7250
Cincinnati 2, Ohio, 2412 Carew Tower Parkway 1-5253
Cleveland 20, Ohio, 11900 Shaker Blvd Longacre 1-1580
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Los Angeles, Cal, P O Box 70 (El Monte) Cumberland 3-2761
N Y 1, 350 5 Ave Longacre 3-6440
Phila, Pa, 308 E Lancaster Ave (Wynnewood) Trinity 8-2700
San Francisco 4, Cal, 111 Sutter St Exbrook 2-1158
EXPLOSIVES DEPT, CHEMICAL SALES, Wilmington 98, Del Prospect 4-1000
Boston 10, Mass, 140 Federal St Hancock 6-1711
Charlotte 1, N C, 427 W 4 St Franklin 5-5561
Chicago, Ill, 7250 N Cicero Ave (Lincolnwood 30) Orchard 5-1010
Cleveland 20, Ohio, 11900 Shaker Blvd Longacre 1-5070
Houston 27, Tex, P O Box 22207 Mohawk 7-9197
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
N Y 1, 350 5 Ave Longacre 3-6400
Finishes Div, Wilmington 98, Del Prospect 4-1000
Atlanta 18, Ga, 1737 Ellsworth Industrial Dr N W Sycamore 4-9581
Boston 42, Mass, 35 Cambridge Pkwy University 4-1442
Chicago 46, Ill, 7250 N Cicero Ave (Lincolnwood) Independence 3-7250
Cleveland 14, Ohio, 3133 Chester Ave Main 1-8516
Dallas 21, Tex, 8510 Ambassador Row Fleetwood 7-4611
Detroit 2, Mich, 5-238 General Motors Bldg Trinity 5-1990
Kansas City 41, Mo, 6201 Manchester Trafficway Emerson 3-1390
(Phila) Wynnewood, Pa, 308 E Lancaster Ave Trinity 8-2700
(San Francisco) Burlingame, Cal, 1600 Trousdale Dr Oxford 7-3870
Grasselli Chems Dept, Wilmington 98, Del Prospect 4-1000
Atlanta 8, Ga, 739 W Peachtree St Trinity 1586
Birmingham 11, Ala, P O Box 67, Powderly Sta 58-1627
Boston 10, Mass, 140 Federal St Hancock 6-1711
Charlotte 2, N C, 427 W 4 St Franklin 5-5561
Chicago 32, Ill, 4251 S Crawford Ave Cliffside 4-7676
Cincinnati 2, Ohio, 603 Terrace Hilton Bldg Cherry 1-4570
Cleveland 14, Ohio, 1321 Natl City Bank Bldg Main 1-6460
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 25, Tex, 1100 E Holcombe Blvd Jackson 9-4227
Milwaukee 13, Wis, 6500 W State St Spring 4-4850
Minneapolis 2, Minn, 1207 Foshay Tower Federal 5-4181
New Haven 13, Conn, 46 River St Locust 2-5145
N Y 1, 350 5 Ave Longacre 3-6456
Phila, Pa, 308 E Lancaster Ave (Wynnewood) Midway 9-1420
Pittsburgh 19, Pa, 1715 Grant Bldg Grant 1-5427
St Louis 5, Mo, 10 S Brentwood Blvd (Clayton) Volunteer 1-3155
San Francisco 4, Cal, 111 Sutter St Exbrook 2-6230
Organic Chem Dept:
Dyes & Chem Div, Market & 10 St, Wilmington 98, Del Prospect 4-1000
Atlanta, Ga, 1261 Spring St N W Trinity 5-5391

(Continued)

De Pont, Organic Chem (continued)
Charlotte, N C, 427 W 4 St Franklin 5-5561
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
Los Angeles 58, Cal, 2930 E 44 St Ludlow 2-6464
N Y 13, 40 Worth St Cortlandt 7-3966
Phila 3, Pa, 1616 Walnut St Kingsley 5-1950
Rumford 16, R I, 50 N Broadway Geneva 4-6500

►"FREON" PRODUCTS DIV,
Wilmington 98, Del Prospect 4-1000
Chicago 3, Ill, 7 S Dearborn St Andover 3-7000
N Y 13, 40 Worth St Cortlandt 7-3965
Palo Alto, Cal, 701 Welch Rd Davenport 6-2840
Petroleum Chems Div, Wilmington 98, Del Prospect 4-1000
Chicago 3, Ill, 8 S Michigan Ave Randolph 6-8630
Cleveland, Ohio, 25 Prospect Ave Superior 1-1363
Houston 2, Tex, 705 Bank of Commerce Bldg Capitol 5-1151
Los Angeles 17, Cal, 612 S Flower St Madison 4-1354
N Y 20, 45 Rockefeller Plaza Columbus 5-2342
Phila 2, Pa, 3 Penn Center Plaza Locust 8-3531
Pittsburgh 19, Pa, 1 Gateway Center Atlantic 1-2933
San Francisco 4, Cal, 111 Sutter St Exbrook 2-1934
Seattle 3, Wash, 4003 Aurora Ave Melrose 2-6977
Tulsa 1, Okla, 1811 S Baltimore Ave Luther 5-5578
Pigments Dept, Wilmington 98, Del Prospect 4-1000
Atlanta 2, Ga, 225 Moore St S E Jackson 5-5178
(Boston) Malden 48, Mass, 359 Washington St 2-8080
Chicago 6, Ill, 20 N Wacker Dr Andover 3-7000
Cleveland 14, Ohio, 1222 Natl City Bank Bldg Main 1-2994
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Houston 25, Tex, 1100 E Holcombe Blvd Jackson 3-5533
N Y 1, 350 5 Ave Longacre 3-6400
Pasadena 1, Cal, 234 E Colorado St Ryan 1-7431
Phila 3, Pa, 117 S 17 St Rittenhouse 6-2080
Portland 9, Ore, 1238 N W Glisan St Capitol 2-6012
San Francisco 4, Cal, 111 Sutter St Exbrook 2-6230
POLYCHEMS DEPT, Wilmington 98, Del Prospect 4-1000
Boston 10, Mass, 140 Federal St Hancock 6-1711
Chicago 30, Ill, 7250 N Cicero Ave, Lincolnwood Independence 3-7250
Denver 2, Col, 444 17 St Keystone 3433
Detroit 35, Mich, 13000 W 7 Mile Rd University 4-1963
Los Angeles 58, Cal, 2930 E 44 St Logan 5-6464
N Y 1, 350 5 Ave Longacre 3-6400
Phila 3, Pa, 1616 Walnut St Kingsley 6-4600
St Louis 1, Mo, 818 Olive St Central 1-8532
San Francisco 4, Cal, 111 Sutter St Exbrook 2-6230
DURA COMMODITIES CORP, 20 Vesey St, N Y 7 Digby 9-2570
Duralac Chem Corp, 84 Lister Ave, Newark 5, N J Mitchell 2-2946
Durez Plastics Div, Hooker Chem Corp, 5 Walck Rd, N Tonawanda, N Y Ludlow 1860
Chicago 2, Ill, 1 N LaSalle St Central 6-1311
Detroit 2, Mich, 503 Stephenson Bldg Trinity 3-3700
Los Angeles 5, Cal, 3350 Wilshire Blvd Dunkirk 5-4404
N Y 17, 60 E 42 St Murray Hill 2-2500
Phila 3, Pa, 6 Penn Center Plaza Locust 7-2180
Dye Specialties, Inc, 26 Journal Sq, Jersey City 6, N J Oldfield 3-6200
Dynacolor Corp, 87 Spring St, Brockport, N Y FA 8-2827

E

Eagle Chem Co, Inc, 1777 Bussee Hwy, Des Plaines, Ill Vanderbilt 7-3151
Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio Parkway 1-7010
Branches in all principal cities
EASTERN CHEM CORP, 34-B Spring St, Newark 4, N J Humboldt 2-6939
Eastern Color & Chem Co, 35 Livingston St, Providence 1, R I Jackson 1-7474
Eastern States Petroleum & Chem Corp, 8938 Manchester Ave, P O Box 5008, Harrisburg Sta, Houston, Tex Walnut 3-1651
Atlanta, Ga, 3121 Maple Dr, NE CE 3-3227
Cleveland 16, Ohio, 20800 Center Ridge Rd Edison 3-0188
Louisville 2, Ky, 4 & Broadway Juniper 3-7634
N Y C 10, Rockefeller Plaza Circle 7-2520
Oak Park, Ill, 1011 Lake St VI 8-5410
Pasadena, Cal, 110 S Euclid Ave Ryan 1-0278

►EASTMAN CHEM PRODUCTS, INC,
Kingsport, Tenn Circle 6-2111
Atlanta 5, Ga, 3133 Maple Dr NE Cedar 7-6472
(Chicago) Skokie, Ill, 4200 Dempster Ave Orchard 6-1750
Cincinnati 2, Ohio, 1626 Carew Tower Main 1-6730
Cleveland 20, Ohio, 13212 Shaker Sq Skyline 1-2083
Dallas 35, Tex, 100 Exchange Park N Fleetwood 7-6579
Dayton, 9, O, 2600 Far Hills Bldg Walnut 3181
Detroit 35, Mich, 17325 Northland Park Ct Trinity 1-3414
Framingham, Mass, 65 Concord St Trinity 3-3443
Greensboro, N C, 435 Jefferson Standard Bldg Broadway 4-4603
Houston 2, Tex, 1300 Main St Capitol 7-5221
Kansas City, 11, Mo, 3435 Broadway Blvd Logan 1-7268
Leominster, Mass, 39 Main St 4-4974
Lodi, N J, U S Hwy 46 Prescott 7-4900
N Y 16, 260 Madison Ave Oregon 9-1820
Rochester 4, N Y, 343 State St Locust 2-6000
St Louis 5, Mo, 10 S Brentwood Blvd Park 7-4608
Eastman Organic Chems Dept, Eastman Kodak Co, 348 State St, Rochester 4, N Y LO 2-6000
Edcan Labs, 10 Pine St, S Norwalk, Conn Volunteer 6-3381
Ehret Magnesia Mfg Co, Valley Forge, Pa Glendale 2-2611
Chicago, Ill, 228 N LaSalle St State 2-3565
Houston, Tex (Bellaire 101) 4613 Holt St
N Y 17, 60 E 42 St Yukon 6-9455
Phila 32, Pa, 1315 W Cumberland St
Electro Chem Co, 230 E 127 St, N Y 35 Lehigh 4-4828
Electro Organic Corp, Glen Gardner, N J Califon 188
Elgin Softener Corp, 134 N Grove Ave, Elgin, Ill Sherwood 2-7210
B R Elk & Co, Inc, 193 Palisade Ave, Garfield, N J Prescott 7-3803
EMERY INDUSTRIES, INC, 4300 Carew Tower, Cincinnati 2, Ohio Dunbar 1-5700
Chicago 31, Ill, 6835 W Higgins Ave
Cleveland 13, Ohio, 1200 W 9 St Tower 1-5270
Jersey City 2, N J, 1 Exchange Pl Bldg Cortlandt 7-4393
Los Angeles 22, Cal, 5568 E 61 St Raymond 3-3157
Lowell, Mass, P O Box 348, 187 Perry St Glenview 8-8922
Phila 29, Pa, 4343 E River Dr Victor 3-8300
Emkay Chem Co, 319 2 St, Elizabeth, N J EL 2-7053
Emulsol Chem Corp Div see Witco Chem Co
Englehard Industries, Inc, 113 Astor St, Newark, N J Bigelow 3-0030
Chicago, Ill, 55 E Washington St Financial 6-6288
Dallas 1, Tex, 1807 Commerce St, Rm 1125 Riverside 7-0206
Los Angeles, Cal, 1111 Wilshire Blvd Huntley 2-1800
Miami, Fla, 925 Ingraham Bldg Franklin 9-8163
N Y C, 477 Madison Ave Plaza 1-4242
San Francisco, Cal, 760 Market St Garfield 1-1447
ENGLISH MICA CO, Ridgeway Center, Stamford, Conn Davis 4-9531

►ENJAY CO, INC, 15 W 51 St, N Y 19 Plaza 7-1200
Akron 3, Ohio, 11 S Portage Path Portage 2-8613
Boston 17, Mass, 135 Clarendon St Copley 7-0355
Charlotte, N C, 207 Hawthorne Lane Franklin 6-5536
Chicago 1, Ill, Prudential Plaza, 130 E Randolph Dr Randolph 6-3288
Detroit 35, Mich, 16301 W 7 Mile Rd Vermont 6-5100
Los Angeles 5, Cal, 3325 Wilshire Blvd Dunkirk 5-3297
New Orleans 5, La, P O Box 1392 Tulane 3461
Tulsa 1, Okla, P O Box 1706 Cherry 2-4119

Enthone, Inc, 442 Elm St, New Haven, Conn Spruce 7-5581
Epoxylite Corp, 10829 E Central Ave, El Monte, Cal CU 3-8231
Wallace A Erickson & Co, 838 N Wells St, Chicago 10, Ill Superior 7-8836
Escambia Chem Corp, 261 Madison Ave, N Y 16 Oxford 7-4315
Pensacola, Fla, P O Box 467 Pace: Wyman 4-5511
Essential Chems Co, Fredonia, Wis Myrtle 2-2661
Milwaukee 17, Wis, 5906 N Pt Washington Rd Edgewood 2-9010
Mt Prospect, Ill, 145 Albert St Chestnut 3-9213
ESSO STANDARD OIL CO, 15 W 51 St, N Y 19 Plaza 7-1200
Bala-Cynwyd, Pa, City Line Ave & Esso Rd Trinity 8-0700
Baltimore 4 Md, 7720 York Rd Valley 5-5400
Boston 17, Mass, 135 Clarendon St Commonwealth 6-2600
Charlotte 1, N C, 1600 Woodlawn Rd Jackson 3-2211
Elizabeth 3, N J, 500 N Broad St 5-7000
Memphis 1, Tenn, 1211 Union Ave 32-2461
New Orleans 16, La, 1410 Canal St Magnolia 6781
Pelham, N Y, Hutchinson River Pkwy 8-4700
Richmond 12, Va, Broad & Hamilton Sts 84-2411
ETHYL CORP, 100 Park Ave, N Y 17 Oregon 9-2000
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-2952
Los Angeles 26, Cal, 1141 Huntley Dr Madison 6-4333
Tulsa 3, Okla, Natl Bank Tulsa Bldg Gibson 7-5128
Eureka Chem Co, 41 Sheridan St, San Francisco 3, Cal Underhill 1-7909
Mobile, Ala, 117 N Commerce St Hemlock 8-4356
EUROPEAN CHEM CO, INC, 124 E 40 St, N Y 16 Yukon 6-7250
Dallas, Tex, 4819 Garland Ave Taylor 7-6528
Syracuse 6, N Y, 321 Village Dr Howard 3-5580

►EVANS CHEMETICS, INC,
250 E 43 St, N Y 17 MU 3-0072
Evans Lead Corp, P O Box 1467, Charleston 25, W Va Dickens 2-8103

F

Fabric Chems Co, 61 Cornelison Ave, Jersey City 4, N J HE 2-0440
FAESY & BESTHOFF, INC, 25 E 26 St, N Y 10 Murray Hill 4-2700
Fairfield Chem Div, Food Machy & Chem Corp, 441 Lexington Ave, N Y 17 Oxford 7-1940
Atlanta 3, Ga, 127 Peachtree St N E Jackson 5-6575
Chicago 2, Ill, 6 N Michigan Ave Financial 6-2436
Cincinnati 24, O, P O Box 26 Mulberry 1-0983
Kansas City 6, Mo, 1006 Grand Ave Baltimore 1-6630
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 7-6343
Trenton 9, N J, 19 Donald Dr Juniper 7-2945
Fairmount Chem Co, 136 Liberty St, N Y 6 Barclay 7-6375
FALLEK PRODUCTS CO, INC, 163 Broadway, N Y 6 Barclay 7-7939
Frank G Fanning Co, 352 Doremus Ave, Newark 5, N J Mitchell 2-5448
Fanning Chem Corp, 352 Doremus Ave, Newark 5, N J Mitchell 2-5448
Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill Dexter 6-4900
FARCHAN RESEARCH LABS, 2606 E 76 St, Cleveland, Ohio HE 1-9878
Federal Color Labs, Inc, 4635 Forest Ave, Cincinnati 12, O ME 1-3587
Feedwaters, Inc, 148 Cedar St, N Y 6 Rector 2-0494
Felton Chem Co, Inc, 599 Johnson Ave, Bklyn 37, N Y HY 7-4664
Atlanta, Ga, 231 Healy Bldg Jackson 2-7607
Boston, Mass, 80 Boylston St Hancock 6-7848
Chicago, Ill, 325 W Huron St Whitehall 3-0665
Oak Park, Mich, 24211 Beverly Lincoln 7-9095
Phila, Pa, 15 Lombard St Lombard 3-6680
St Louis, Mo, 6635 Delmar Blvd Parkside 1-1338
W Los Angeles, Cal, 2242 Purdue Ave Bradshaw 2-3482
L W Ferdinand & Co, Inc, 2300 Washington St, Newton Lower Falls 62, Mass Decatur 2-5307
Fermco Labs, Inc, 4941 S Racine Ave, Chicago 9, Ill Drexel 3-1212
Ferro Chem Corp, 450 Krick Rd, Bedford, Ohio 2-4330
Fiber Chem Corp, Bond St, Cliffwood, N J Lowell 6-1100
Fiebing Chem Co, 516 S 2 St, Milwaukee 4, Wis Broadway 1-5011
FILO COLOR & CHEM CORP, 347 Madison Ave, N Y 17 MU 4-7080
Filtrol Corp, 3250 E Washington Blvd, Vernon 23, Cal Los Angeles: Angelus 3-5111
FINE ORGANICS, INC, 205 Main St, Lodi, N J Gregory 2-6800
FINETEX, INC, 418 Belmouth Ave, E Paterson, N J Swarthmore 7-4686
Firestone Plastics Co, Div Firestone Tire & Rubber Co, P O Box 690, Pottstown, Pa Faculty 6-2000
Chicago 54, Ill, 10163 Mdse Mart Superior 7-4825
N Y 20, Rm 366, 45 Rockefeller Plaza Circle 5-8450
Firestone Synthetic Rubber & Latex Co, 381 W Wilbeth Rd, Akron 1, Ohio HE 4-1671
Fall River, Mass, P O Box 2290 Osborne 6-8511
Phila 43, Pa, 1620 S 49 St Saratoga 7-2000
FISHER CHEM CO, INC, 355 Lexington Ave, N Y 17 Murray Hill 2-2587
Great Meadows, N J Mercury 7-2661
FISHER SCIENTIFIC CO, 212 Fisher Bldg, Pittsburgh 19, Pa Express 1-1330
Buffalo 2, N Y, 170 Franklin St Washington 5305
Cambridge 38, Mass, 18 Brattle St University 4-5013
Charleston 1, W Va, 1033 Quarrier St Bldg 3-0671
Chicago 51, Ill, 1458 N Lamon Ave Columbus 1-1221
Cleveland 14, Ohio, 1950 E 6 St Main 1-8581
Detroit 26, Mich, 149 Michigan Ave Woodward 1-9710
King of Prussia, Pa, Gulph Rd, Rte 23 Broadway 9-0500
N Y 14, 633 Greenwich St Watkins 4-7200
Silver Spring, Md, 7722 Woodbury Dr Juniper 7-7000
St Louis 18, Mo, 2850 S Jefferson Ave Mohawk 4-2624
Flamort Chem Co, 746 Natoma St, San Francisco 3, Cal Market 1-7825
(The) Flintkote Co, 30 Rockefeller Plaza, N Y 20 Plaza 7-5500
FLORASYNTH LABS, INC, 900 Van Nest Ave, N Y 62 Talmadge 8-6000
Chicago 6, Ill, 600 W Monroe St Franklin 2-3555
Cincinnati 2, Ohio, 406 Elm St
Dallas, Tex, 9955 Bowman Blvd
Detroit, Mich, 405 W Savannah
Los Angeles 21, Cal, 2309 E 8 St Madison 7-7777
Memphis, Tenn, 466 Union Ave
Minneapolis 2, Minn, 904 Builders Exchange
New Orleans, La, 123 Crossman St
St Louis, Mo, 4030 Schouteau
San Francisco, Cal, 383 Brannan St Garfield 1-4994
Floridin Co, P O Box 989, Dept L, Tallahassee, Fla 4-2116

►FOOD MACHY & CHEM CORP,
P O Box 760, San Jose 6, Cal
(Continued)

Food Machy & Chem Corp (continued)

►**CHEMS & PLASTICS DIV,** Chrysler Bldg E, N Y 17 Murray Hill 7-7400
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-8671
Nitro, W Va (Ohio-Apex plant) Pleasant 5-3351
See also separate listings by divisions:
Becco Chem Div
Fairfield Chem Div
Westvaco Chlor-Alkali Div
Westvaco Mineral Products Div

►**FOOTE MINERAL CO,**
18 W Chelton Bldg, Phila 44, Pa Victor 8-4000

Foremost Food & Chem Co, El Dorado Div, P O Box 599, Oakland 4, Cal Templebar 2-3882
Benjamin Foster Co, Div Amchem Products, Inc 4635 W Girard Ave, Phila 31, Pa Greenwood 3-5310
Houston 24, Tex, 79 Pattl Lynn Lane Capitol 5-1357
San Francisco 27, Cal, 243 Stratford Dr Juniper 4-8875
Washington, D C, 3714 14 St Taylor 9-4332
Francolor, Inc, 162 Main St, Woonsocket, R I Poplar 2-6565
Franklin Glue Co, 119 W Chestnut St, Columbus 15, Ohio CA 1-6527
Freeman Industries, Inc, 82 Lake Ave, Tuckahoe, N Y Woodbine 1-2100

►**FREEPORT SULPHUR CO,**
161 E 42 St, N Y 17 MU 7-8100
New Orleans 5, La, Commerce Bldg Express 4393

Fries & Fries, Inc, 110 E 70 St, Cincinnati 16, Ohio Valley 1-7200
N Y 28, 418 E 91 St Sacramento 2-2260
Alex Fries & Bro, Inc, 1401 Central Pkwy, Cincinnati 14, Ohio MA 1-1163
Fritzsche Bros, Inc, 76 9 Ave, N Y 11 Watkins 9-4100
Boston, Mass, 661 Washington St Norwood 7-3303
Chicago 40, Ill, 5537 N Clark St Longbeach 1-9271
Cincinnati 2, Ohio, 2306 Carew Tower Main 1-5143
Decatur, Ga, 403 W Ponce de Leon Ave Drake 3-9452
Greensboro, N C, 1856 Pembroke Rd Broadway 3-0134
Los Angeles 17, Cal, 816 W 8 St Madison 7-8359
Phila 7, Pa, 12 S 12 St Walnut 2-4131
St Louis 5, Mo, 8032 Forsythe Blvd Volunteer 3-3520
San Francisco 5, Cal, 395 Monadnock Bldg Garfield 1-0838
Frontier Chem Co, Div Vulcan Materials Co, P O Box 545, Wichita, Kans
Fuld Bros, Inc, 702 S Wolfe St, Baltimore 31, Md Broadway 6-7400
Los Angeles 13, Cal, 1255 Factory Pl Madison 9-2270
H B Fuller Co, 255 Eagle St, St Paul, Minn CA 2-0505
Atlanta, Ga, 655 Mead St S E Market 2-3502
Buffalo, N Y, 1934 Elmwood Ave Riverside 3-6366
Chicago, 22, Ill, 904 W Blackhawk St Michigan 2-6300
Cincinnati, Ohio, 4020 Cherry St Mulberry 1-5420
Kansas City, Kans, 200 Funston Rd Finley 2-3615
Linden, N J, 1201 Fuller Rd Wabash 5-2272
Los Angeles, Cal, 3250 Mines Ave Angelus 3-2113
Memphis 10, Tenn, 802 Royal Ave Jackson 6-4212
Portland, Ore, 3332 N W Yeon Ave CA 3-6625
St Paul, Minn, 1144 Eustis Ave Midway 6-8461
S San Francisco, Cal, 57 S Linden Ave PL 6-5450
Fulton Process and Chem Corp, 97 2 St, Gloversville, N Y 5-1618
Furane Plastics Inc, 4516 Brazil St, Los Angeles 39, Cal Chapman 5-1151
Arlington, Tex, P O Box 173 Ft Worth: Edison 5-9555
Massapequa, N Y, 40 Bklyn Ave Pyramid 8-1110
Seattle, Wash, Rm 14, N Annex, King City Airport Mohawk 7990
Fusion Engrg, 17921 Roseland Ave, Cleveland 12, O Ivanhoe 6-2333

G

GALLARD-SCHLESINGER CHEM MFG CORP, 1001 Franklin Ave, Garden City, L I, N Y Stillwell 6-0900
Gallowhur Chem Corp, N Water St, Ossining, N Y Lorraine 2-7151
Gamma Chem Corp, 355 Lexington Ave, N Y 17 Murray Hill 2-2589
Gane & Ingram, Inc, 43 W 16 St, N Y 11 Watkins 4-9404
Newark, N J, 185 Foundry St Market 3-0091
GANE'S CHEM WORKS, INC, 535 5 Ave, N Y 17
Geigy Chem Corp, Saw Mill River Rd, Ardsley, N Y MU 6-5780
(P O Box 430, Yonkers, N Y) Hastings 5-8211
See separate listings by divisions:
Geigy Agricultural Chem Div
Geigy Dyestuffs Div
Geigy Industrial Chem Div
Geigy Agricultural Chem Div, Geigy Chem Corp, Saw Mill River Rd, Ardsley, N Y Greenleaf 8-3131
GEIGY DYESTUFFS DIV, GEIGY CHEM CORP, Saw Mill River Rd, Ardsley, N Y (P O Box 430, Yonkers, N Y) Hastings 5-8211
N Y C: Lorraine 2-7343
Bayonne, N J, 39 Ave C FE 9-5600
Charlotte, N C, 528 W 11 St ED 2-5035
Chattanooga, Tenn, 1203 E 23 St AN 7-2101
Chicago 6, Ill, 629 W Washington Blvd ST 2-3538
Los Angeles 23, Cal, 3529 E Olympic Blvd AN 3-3855
Newton Upper Falls 64, Mass, 33 Industrial Pl DE 2-0880
Phila, Pa, 3901 M St CU 8-0365
Portland, Ore, 1416 N W Hoyt CA 7-4167
Geigy Industrial Chem Div, Geigy Chem Corp, Saw Mill River Rd, Ardsley, N Y (P O Box 430, Yonkers, N Y) Greenleaf 8-3131
N Y C: Lorraine 2-7343
Chicago 6, Ill, 629 W Washington Blvd State 2-3538
Cincinnati, Ohio, Carew Tower Dunbar 1-3433
Houston, Tex, 4402 Sarong Dr PA 3-0520
Los Angeles 23, Cal, 3529 E Olympic Blvd Angelus 3-3855
Phila, Pa, 3901 M St CU 8-0365
Providence, R I, P O Box 55, Edgewood Station Williams 1-3000
St Louis, Mo, Paul Brown Bldg
General Aniline & Film Corp, 435 Hudson St, N Y 14 Watkins 4-0600
See separate listings by divisions:
Antara Chem
General Dyestuff Co
General Cerium Corp, 1040-C River Rd, Edgewater, N J Whitney 5-2800
General Chem Div see Allied Chem Corp
GENERAL COLOR CO, INC, 263 Wright St Newark 5, N J BI 8-2575
GENERAL DYESTUFF CO, DIV GENERAL ANILINE & FILM CORP, 435 Hudson St, N Y 14 Watkins 4-0600
Charlotte 1, N C, 2459 Wilkinson Blvd Edison 3-4121
Chattanooga 7, Tenn, 4301 Rossville Blvd Madison 9-3282
Chicago 7, Ill, 310 W Polk St Harrison 7-3771
Los Angeles 58, Cal, 2445 E 26 St Ludlow 2-7321
Phila 2, Pa, 42 S 15 St Rittenhouse 6-2838
Portland 5, Ore, 1007 Terminal Sales Bldg Capitol 8-3365
Providence 3, R I, 85 Tockwotton St Gaspee 1-1585
San Francisco 5, Cal, 37 Clementina St Exbrook 2-0300
General Electric Co, Chem Materials Dept, 1 Plastics Ave, Pittsfield, Mass Hillcrest 8-8223
Anaheim, Calif, 1211 N Olive St Keystone 5-2171
Chicago 80, Ill, 840 S Canal St Wabash 2-5611
Dayton 2, Ohio, 601 E 3 St Baldwin 4-0781
Detroit 1, Mich, 2211 Woodward Ave Woodward 3-7811
N Y 22, 570 Lexington Ave Plaza 1-1311
Phila 2, Pa, 1405 Locust St Pennypacker 5-9028
GENERAL ELEC CO, SILICONE PRODUCTS DEPT, Waterford, N Y Adams 8-3330
Boston, Mass, 145 N Beacon St Algonquin 4-5318
Chicago 80, Ill, 840 S Canal St Wabash 2-5611
Cleveland, Ohio, 1507 Brookpark Rd Shadyside 9-2700
Dallas, Tex, 6500 Cedar Springs Fleetwood 1-3725
Detroit, Mich, 2211 Woodward Ave Woodward 3-7811
Downey, Cal, 10234 Lakewood Blvd Spruce 3-3144
Jacksonville, Fla, 6661 Shady Oak Dr Elgin 5-6633
Newark, N J, 254 Elizabeth Ave Elgelow 3-3662
Phila, Pa, 1405 Locust St Pennypacker 5-9028
General Latex & Chem Corp, 666 Main St, Cambridge 39, Mass University 4-7750
Ashland, Ohio, E 9 & Rte 42 4-1518
Charlotte, N C, 2321 N Davidson St Franklin 6-3582
Dalton, Ga, P O Box 690 Broadway 8-3622
General Metallic Oxides Co, 164-166 1 St, Jersey City 2, N J Oldfield 3-2536

►**GENERAL MILLS, INC**

►**CHEMICAL DIV,** S Kensington Rd, Kankakee, Ill Wells 2-6751
Boston, Mass, 214 Harvard Ave Beacon 2-7717
Charlotte, N C, 213 E Morehead Franklin 6-2754
Houston 2, Tex, 821 Chelsea Ave Jackson 2-5079
N Y 38, 156 William St Cortlandt 7-6700
Park Ridge, Ill, 460 S Northwest Hwy Talcott 5-1133
(Phila) Overbrook Hill, Pa, 1445 City Line Ave Midway 9-2400
San Francisco, Cal, 116 New Montgomery St Douglas 2-7600
Whittier, Calif, 1220 Workman Mill Rd Oxford 2-7771
Special Commodities Div, 9200 Wayzata Blvd., Minneapolis 26, Minn LI 5-2811
Park Ridge, Ill, 460 S Northwest Hwy Talcott 5-1133
Valley Stream, L I, N Y, 108 S Franklin Ave 5-5152
See also separate listings by division:
Central Research Labs
General Smelting Co, 2913 E Westmoreland St, Phila 34, Pa Garfield 3-3200
General Tire & Rubber Co, Chem Div, 1708 Englewood Ave, Akron 9, Ohio Republic 3-6311
GEORGIA KAOLIN CO, 433 N Broad St, Elizabeth 3, N J 2-8900
N Y C 17, 230 Park Ave MU 6-1397
(The) Georgia Marble Co, Calcium Products Div, Tate, Ga 2611
Gibsonburg Lime Products Co, Gibsonburg, Ohio 3421
Gilbreath Chem Co, 383 Brannan St, San Francisco 7, Calif Sutter 1-7537
Santa Monica, Calif, P O Box 549 Gladstone 4-1049
Gill Chem Products, Inc, 366 Oakland St Bklyn 22, N Y EV 3-4399
Gillespie-Rogers-Pyatt Co, Inc, 75 W St, N Y 6 WH 3-9740
GIRDLER CATALYSTS, CHEM PRODUCTS DIV, CHEMETRON CORP, 2820 W Broadway, P O Box 337, Louisville, Ky Spring 8-4421
Chicago 11, Ill, 840 N Michigan Ave Whitehall 4-3100
Houston 25, Tex, 4007 Bellaire Blvd Mohawk 4-3987
N Y 5, 79 Wall St Hanover 2-3549
GIVAUDAN CORP, 321 W 44 St, N Y 36 Circle 5-0300
GIVAUDAN-DELAWANNA, INC, 321 W 44 St, N Y 36 Circle 5-0300
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago, Ill, 605 W Washington Blvd Franklin 2-4858
Cincinnati, Ohio, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles, Cal, 8750 Alden Dr Bradshaw 2-7047
Phila, Pa, 18 W Chelten Ave Tenn 9-8712
Seattle, Wash, 2603 2 Ave Main 4077
GIVAUDAN FLAVORS, INC, 321 W 44, N Y 36 Circle 5-0300
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago, Ill, 605 W Washington Blvd Franklin 2-4858
Cincinnati, Ohio, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles, Cal, 8750 Alden Dr Bradshaw 2-7047
Phila, Pa, 18 W Chelten Ave Tenn 9-8712
Seattle, Wash, 2603 2 Ave Main 4077
Glidden Co, 900 Union Commerce Bldg, Cleveland 14, Ohio Prospect 1-5121
Branches in all principal cities
GLOBE CHEM CO, INC, Murray Rd & Big 4 R R, Cincinnati 17, Ohio Avon 1-7400
Columbus 19, Ohio 648 Concrea Rd Belmont 1-3671
Dayton 4, Ohio, 967 Deeds Ave Baldwin 2-4035
Louisville, Ky, 105 N 15 St Juniper 7-6506
GLYCO CHEMS, DIV CHAS L HUISKING & CO, INC, P O Box 330, Williamsport, Pa 2-4681
Chicago 11, Ill, 435 N Michigan Ave Whitehall 4-5747
N Y 16, 417 5 Ave Oregon 9-8400
Gold Leaf & Metallic Powders, Inc, 145 Nassau St, N Y 38 Cortlandt 7-7395
GOLDSCHMIDT CHEM CORP, 153 Waverly Pl, N Y 14 Chelsea 3-4792
GOLDSMITH BROS SMELTING & REFINING CO, 111 N Wabash Ave, Chicago 2, Ill Randolph 6-0232
Golwynne Chem Corp, 420 Lexington Ave, N Y 17 Murray Hill 6-3600
B F Goodrich Chem Co, 3135 Euclid Ave, Cleveland 15, Ohio Utah 1-8200
Atlanta 9, Ga, 1430 W Peachtree St Trinity 5-5642
Boston 10, Mass, 140 Federal St Hancock 6-1668
Chicago 1, Ill, 2116 Prudential Bldg Superior 7-3214
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-9157
N Y 17, 415 Madison Ave Templeton 8-8600
Washington 6, D C, 1112 19 St N W Republic 7-3414
Goodrich-Gulf Chems, Inc, 3121 Euclid Ave, Cleveland 15, O Henderson 2-1000
N Y 17, 200 E 42 St, Rm 2710 Murray Hill 7-4255
Goodyear Tire & Rubber Co, Chem Div, 1144 E Market St, Akron, Ohio Franklin 6-1411
Atlanta 5, Ga, 2577 Piedmont Rd Cedar 7-4611
Boston, Mass, 66 B St, Needham Hts Hillcrest 4-3900
Charlotte, N C, P O Box 2449, 929 Jay St Edison 3-1161
Chicago, Ill, 141 W Ohio St Michigan 2-8800
Cleveland, O, P O Box 326, Berea CL 2-3000
Detroit, Mich, 6500 Mt Elliott Ave Walnut 1-7900
Hartford 8, Conn, 180 Goodwin St Butler 9-3424
Houston, Tex, 5544 Armour Dr, P O Box 1678 Walnut 3-5541
Los Angeles, Cal, 6666 E Washington Blvd Raymond 3-3611
Minneapolis, Minn, 418 Stinston Blvd Sterling 9-3551
N Y C, 400 Park Ave Plaza 1-6000
Phila 32, Pa, 2750 Broad St Sagamore 2-8500
Portland, Ore, 2720 N W 35 Ave Capital 6-2951
St Louis 14, 8544 Page Blvd Harrison 9-4000
W R Grace & Co, 7 Hanover Sq, N Y 5 Digby 4-1200
See separate listings by divisions:
Davison Chem Co Div
Dewey & Almy Chem Co Div
W R Grace & Co, Polymer Chems Div
Grace Chem Co Div
W R Grace & Co, Polymer Chems Div, 225 Allwood Rd, Clifton, N J Gregory 2-6000
Chicago 45, Ill, 3555 W Peterson Ave Ludlow 3-5115
Los Angeles, Cal Irving 8-7036
GRACE CHEM CO, DIV W R GRACE & CO, 501 Home Federal Bldg, Memphis 3, Tenn Jackson 7-1551
Chicago 1, Ill 75 E Wacker Franklin 2-6424
N Y 5, 7 Hanover Sq Digby 4-1200
Tampa, Fla, 2808 S McDill Ave 82-3531
Grain Processing Corp, 1600 Oregon St, Muscatine, Iowa Amherst 3-1321
Grand River Chem Div, Deere & Co, Pryor, Okla VA 5-2000
C R Graybeal & Sons, P O Box 8, Roan Mountain, Tenn 2201

Great Lakes Carbon Corp, Mining & Mineral Products Div, 612 S Flower St, Los Angeles 17, Cal Madison 9-1611
Atlanta, Ga, 32 Peachtree St, N W Jackson 5-1277
Boston, Mass, 16A Eaton Sq Hillcrest 4-1950
Buffalo 3, N Y, 975 Fuhrman Blvd Triangle 5200
Chicago 1, Ill, 333 N Michigan Ave Franklin 2-5445
Cincinnati 37, Ohio, 1717 Section Rd Redwood 1-9752
Cleveland 16, Ohio 19115 S Detroit Rd Edison 1-4500
Houston 2, Tex, 1404 Esperson Bldg Capitol 5-6501
New Orleans 12, La, 210 Baronne St Magnolia 3772
N Y 17, 18 E 48 St Eldorado 5-6200
St Louis 24, Mo, 7811 Cardondelet St Parkview 5-8864
San Francisco 5, Cal, 55 New Montgomery St Sutter 1-3204
Upper Darby, Pa, 228 Long Lane Flanders 2-1444

Great Lakes Chem Corp, Div Great Lakes Oil & Chem Co, Filer City, Mich Parkview 3-3571
Los Angeles, Cal, 417 S Hill St Madison 6-5125
N Y 36, Suite 2626, 500 5 Ave Longacre 3-4828

R W Greeff & Co, Inc, 10 Rockefeller Plaza, N Y 20 Circle 6-9688
Chicago 11, Ill, 1721 Tribune Tower Whitehall 4-6960

A GROSS & CO, 295 Madison Ave, N Y 17 Murray Hill 3-7361
Newark 1, N J, 652 Doremus Ave Market 3-3216

GULF OIL CORP, PETROCHEM DEPT, P O Box 1166, Pittsburgh 30, Pa Express 1-2400

H

Hadley Bros-Uhl Co, 514 Calvary Ave, St Louis 15, Mo Evergreen 2-7477

Hagen Chems & Controls, Inc, Box 1346, Pittsburgh 30, Pa Walnut 2-8737

HALBY CHEM CO, INC, P O Box 366, Wilmington 99, Del Olympia 8-7296

Halby Products Co, Inc, P O Box 366, Wilmington 99, Del Olympia 8-7296

C P Hall Co, 414-418 S Broadway, Akron 8, Ohio Jefferson 5-5175
Chicago 38, Ill, 5245 W 73 St Portsmouth 7-4600
Los Angeles 21, Cal, 1340 E 6 St Madison 2-2022
Memphis 3, Tenn, 648 Riverside Dr Jackson 6-8253
Newark 5, N J, Bay Ave & Wheeler Point Rd Market 2-2652
Oakland, Cal, 95 Market St Glencourt 1-4722

Halocarbon Products Corp, 82 Burlews Court, Hackensack, N J Diamond 3-8703

Hammill & Gillespie, Inc, 225 Broadway, N Y 7 Barclay 7-5067

W A Hammond Drierite Co, 120 Dayton Ave, Xenia, Ohio DR 2-6101

HARCHEM DIV, WALLACE & TIERNAN INC, 25 Main St, Belleville 9, N J Plymouth 9-8000

H V Hardman Co, 571 Cortlandt St, Belleville 9, N J Plymouth 9-1242

M W HARDY & CO, INC, 141 Broadway, N Y 6 Worth 4-1550

HARSHAW CHEM CO, 1945 E 97 St, Cleveland 6, Ohio Randolph 1-8300
Chicago 32, Ill, 4925 S California Ave Republic 7-1008
Cincinnati 13, Ohio, 6265 Wiehe Rd Redwood 1-9100
Detroit 28, Mich, 9240 Hubbell Ave Vermont 6-6300
Hastings-on-Hudson 6, N Y 5-8250
N Y C: Lorraine 2-6250
Phila 48, Pa, Jackson & Swanson Sts Howard 2-4700
Pittsburgh 22, Pa, 6 St & Ft Duquesne Blvd Atlantic 1-7930

Hart Products Corp, 1440 Broadway, N Y C Pennsylvania 6-3236

Hartman-Leddon Co, Inc, 60 & Woodland Ave, Phila 43, Pa SA 6-9600

HARWICK STANDARD CHEM CO, 60 S Selberling St, Akron 5, Ohio Stadium 4-0481
Albertville, Ala, Old Guntersville Hwy 1485
Boston 16, Mass, 661 Boylston St Copley 7-1860
Chicago 25, Ill, 2724 W Lawrence Ave Longbeach 1-3195
Greenville, S C, P O Box 746 Cedar 5-0871
Los Angeles 21, Cal, 1248 Wholesale St Madison 7-8588
Trenton 9, N J, 2595 E State St Juniper 7-0300

HATCO CHEM CO, King George Post Rd, Fords, N J Valley 6-6262

Hathaway Allied Products, 2024 Westgate Ave, Los Angeles 25, Cal Bradshaw 2-4346

Haveg Industries, Inc, 900 Greenbank Rd, Wilmington 8, Del Wyman 8-2271
Atlanta 5, Ga, 3230 Peachtree Rd N E Cedar 7-3821
Bellaire, Tex, 5119 Bellaire Blvd Mohawk 7-6519
Denver, Col, 1795 Sheridan St Belmont 7-0433
Norwalk, Cal, 12827 E Imperial Hwy Oxbow 3-1710
Portland 14, Ore, Weatherly Bldg Belmont 4-1561
Seattle 4, Wash, 1731 1 Ave S Main 9006
Solon, Ohio, 33840 Aurora Rd Churchill 8-6194
Weaton, Ill, 130 W Liberty Dr 8-9530
Westfield, N J, 101 Central Ave Adams 2-7383
Baltimore, Md, 140 N Kresson St Eastern 7-5100
Boston, Mass, 79 Milk St Hubbard 2-2175
Charlotte, N C, 205 W Worthington Ave Franklin 6-3977
Chicago 16, Ill, 1770 Canalport Ave Canal 6-2219
Cleveland, Ohio, 7016 Euclid Ave Express 1-9070
Los Angeles 58, Cal, 2457 E 30 St Ludlow 3-2361
Minneapolis, Minn, 718 N Washington Ave Federal 2-8953
N Y 19, 630 W 51 St Judson 2-3790
Phila 2, Pa, 4 S 15 St Locust 4-1914
Redwood City, Cal, 1111 Chestnut St Emerson 8-4647
Tampa, Fla, 510 8 St N St Petersburg 53-5062

Hayden Mica Co, Inc, 639 Main St, Wilmington, Mass Oliver 8-2310

Heavy Minerals Co, 4000 N Hawthorne St, Chattanooga, Tenn Oxford 8-3461
N Y 16, 261 Madison Ave MU 2-0820

Helmar Chem Corp, 126 Buckingham Rd, Yonkers, N Y 5-1249

HENLEY & CO, INC, 202 E 44 St, N Y 17 Yukon 6-5544

J F HENRY CHEM CO, INC, 4 Station Sq, Rutherford, N J Webster 9-7100

HERCULES POWDER CO, 900 Market St, Wilmington 99, Del Hemlock 4-3159
Akron 8, Ohio, 7 W Bowery St
Atlanta 3, Ga, 134 Peachtree St Jackson 2-3201
Beaumont, Tex, 180-98 Orleans St Terminal 2-7709
Birmingham 3, Ala, 17 N 20 St Alpine 2-0293
Boston 16, Mass, 200 Berkeley St Liberty 2-2842
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-5230
Cincinnati 2, Ohio, 2610 Carew Tower Dunbar 1-6668
Cleveland 13, Ohio, 55 Public Sq Superior 1-4335
Dallas, Tex, Fidelity Union Life Bldg Riverside 1-3418
Denver 15, Col, 9635 W Colfax Ave Belmont 7-5485
Detroit 2, Mich, 628 Fisher Bldg Trinity 2-1760
Duluth 2, Minn, 314-16 W Superior St Randolph 2-3335
Greenville, Miss, Thomas Center 2-0594
Hazleton, Pa, 8 W Broad St Gladstone 4-0825
Holyoke, Mass, P O Box 308 Jefferson 6-6426
Houston 6, Tex, 3520 Montrose Blvd Jackson 9-3213
Joplin, Mo, 404 Main St Mayfair 4-4183
Kalamazoo 99, Mich, 411 Hercules Ave Fireside 3-6161
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 7-8151
Milwaukee, Wis, 5228 N Hopkins St Hopkins 1-4000
Minneapolis 2, Minn, 620 Marquette St Federal 5-6660
New Orleans 12, La, 830 Saratoga Bldg Jackson 9908
N Y 17, 380 Madison Ave Oxford 7-0010
Pittsburgh 22, Pa, 2 Gateway Center, 603 Stanwix St Grant 1-6171
Portland 8, Ore, P O Box 3939 Capital 6-3843
Raleigh, N C, Cameron Bldg Temple 3-4413
St Louis 5, Mo, 111 S Bemiston Ave Parkview 7-5571
Salt Lake City 1, Utah, 136 S Main St Empire 4-5513
San Francisco 4, Cal, 120 Montgomery St Yukon 6-2535

Heresite & Chem Co, 822 S 14 St, Manitowoc, Wis Murray 4-6646
Garwood, N J, 546 South Ave, Sunset 9-1816

HEYDEN NEWPORT CHEM CORP, HEYDEN CHEM DIV, 342 Madison Ave, N Y 17 Murray Hill 2-7600
Chicago 6, Ill, 20 N Wacker Dr State 2-6480
Cincinnati 6, Ohio, 1433 E McMillon St Plaza 1-3837
Detroit 1, Mich, 10600 Puritan Ave Diamond 1-8237
Houston 5, Tex, P O Box 6851
Los Angeles 12, Cal, 1001 E 1 St Mutual 8184
Newark 12, N J, 1 Virginia St Bigelow 2-8504
Providence, R I, 511 Westminster St Gaspee 1-1464
Wynnewood, Pa, 7 Wynnood Rd

Hexagon Labs, Inc, 3536 Peartree Ave, N Y 69 Fairbanks 4-7550

Highside Chems Inc, 5 Colfax Ave, Clifton, N J Prescott 7-0626

HILTON-DAVIS CHEM CO, DIV STERLING DRUG INC, 2235 Langdon Farm Rd, Cincinnati 13, Ohio Elmhurst 1-1300
Greenville, S C, Wade Hampton Blvd Cedar 2-1562
Providence, R I, 3 Brayton Ave Plantations 1-9800
Trenton, N J, 942 Prospect St Owen 5-5446

Hi-Test Chem Corp, 722 64 St, Bklyn 20, N Y Terrace 6-5991

Hodag Chem Corp, 7247 N Central Park Ave, Chicago 45, Ill OR 5-3950

HOFFMAN LABS, INC, Box 1246, SSS, Springfield, Mo University 5-2851
Los Angeles 58, Cal, 8417 Beverly Blvd Olive 1-3260
Roselle, N J, 459 E 1 Ave Chestnut 1-0122

Hoffmann-La Roche, Inc, Nutley 10, N J 2-5000
Atlanta, Ga, 580 Somerset Terrace N E Trinity 6-5573
Dallas, Tex, 3304 Manor Way Fleetwood 2-7526
Los Angeles 23, Cal, 3628 E Olympic Blvd Angelus 2-4101
Portland, Ore, 2750 N W 31 Ave Capitol 8-9676
Salt Lake City 10, Utah, 407 W 17 S St Hunter 4-5221
San Francisco 1, Cal, 15 & Vermont St Market 1-4210
Seattle 4, Wash, 1703 6 Ave S Elliott 1856
Skokie Ill, 3435 Madison St Juniper 8-1101

Holland Color & Chem Co, Div Chemetron Corp, 492 Douglas Ave, Holland, Mich Export 2-2391

►HOOKER CHEM CORP,
1200 47 St, Niagara Falls, N Y Butler 5-6655
Chicago 2, Ill, 1 N LaSalle St Central 6-1311
Detroit 2, Mich, 503 Stephenson Bldg Trinity 3-3133
Los Angeles 5, Cal, 3350 Wilshire Blvd Dunkirk 5-4404
N Y 7, 60 E 42 St Murray Hill 2-2500
Phila 3, Pa, 6 Penn Center Plaza Locust 7-2180
Tacoma, Wash, 605 Alexander St Fulton 3-2661
Worcester 1, Mass, 265 Grafton St Pleasant 2-1597

►PHOSPHORUS DIV, 60 E 42 St, N Y 17 Murray Hill 2-2500
Jefferson, Ind, Box 326 Butler 2-1381
See also separate listing by division:
Durez Plastics Div

Hoosier Solvents & Chem Group see **Solvents & Chem Group**

HOSTACHEM CORP, 350 5 Ave, N Y 1 Longacre 4-3530

HOSTAWAX CO, DIV HOSTACHEM CORP, 350 5 Ave, N Y 1, N Y LO 4-3530

Houdry Process Corp, 1528 Walnut St, Phila 2, Pa Pennypacker 5-9490

E F Houghton & Co, 303 West Lehigh Ave, Phila 33, Pa RE 9-7100
Carrolltown, Ga, 421 Garrett St Terrace 2-3507
Chicago 6, Ill, 222 W Adams St DE 2-3818
Cleveland 3, Ohio, 4500 Euclid Ave EN 1-3567
Detroit 2, Mich, 803 Stephenson Bldg TR 3-4900
Los Angeles 58, Cal, 2445 E 26 St LU 2-5242
Milwaukee 16, Wis, 10031 Lisbon Ave Spring 4-8820
N Y 36, 55 W 42 St Longacre 4-4287
Pittsburgh 22, Pa, 401 Bessemar Bldg AT 1-8759
Portland 4, Ore, 208 SW Stark St Capitol 8-9211
San Francisco 24, Cal, 1500 Davidson Ave VA 4-3207
Seattle 4, Wash, 4100 E Marginal Way Main 7961

HOWE & FRENCH INC, 99-101 Broad St, Boston 10, Mass Hancock 6-5910

J M HUBER CORP, 630 3 Ave, N Y C Yukon 6-8484
Akron, Ohio, 611 W Market St Blackstone 3-7728
Appleton, Wis, 103 W College Ave Regent 4-7010
Belmont 78, Mass, 385 Concord Ave Ivanhoe 4-9223
Buffalo 23, N Y, 48 Neuman Pkwy Victoria 3956
Huber, Ga, Twiggs Cty Macon: 5-4751
Kalamazoo, Mich, 1501 American Nati Bank Bldg Fireside 5-1737
La Grange, Ill, Box 309 Hunter 5-1250

Hughes Glue Co, 3508 St Aubin, Detroit 7, Mich Temple 1-1777

CHAS L HUISKING & CO, INC, 417 5 Ave, N Y 16 OR 9-8400
Chicago, Ill, 435 N Michigan Ave Whitehall 4-5747

Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio Cherry 1-7495

►HUMKO-DIV, NATIONAL DAIRY PRODUCTS CORP, CHEM DEPT,
P O Box 4607, 1702 N Thomas St, Memphis, Tenn Jackson 5-6521
Chicago, Ill, 520 N Michigan Ave Superior 7-3270
N Y C, 60 E 42 St Oxford 7-2372
Phila, Pa, 1315 Walnut St Kingsley 5-2802

HUMMEL CHEM CO, INC, 90 West St, N Y 6 Barclay 7-6630

►HUMPHREY-WILKINSON, INC,
Davine St, N Haven, Conn Chestnut 8-2181

PHILIP A HUNT CO, Ft of Roosevelt Pl, Palisades Park, N J Windsor 4-4000
Cambridge 42, Mass, 111 Binney St Trowbridge 6-7050
Chicago 47, Ill, 2108 W Fullerton Ave Humboldt 6-8500
Cleveland 25, Ohio, 5150 Grant Ave Diamond 1-9132
Dallas 2, Tex, Santa Fe Bldg Riverside 8-2279
Los Angeles 58, Cal, 2252 E 37 St Ludlow 2-8136
Long Island City 1, N Y, 47-20 30 St, Empire 1-9500
San Francisco 11, Cal, 420 Market St Yukon 6-4761
Washington 5, D C, 734 15 St NW, Executive 3-3872

Hutchman Co, Inc, P O Box 386, Lakeland, Fla Mutual 2-6062

I

Ideal Chem & Supply Co, 1301 Helstan Ave, Memphis 4, Tenn Broadway 6-7331

Illinois Clay Products Co, 214 Barber Bldg, Joliet, Ill 6-5308
Chicago 3, Ill, 208 S La Salle St Dearborn 2-6013

Illinois Minerals Co, 807½ Commercial Ave, Cairo, Ill 72

Imperial Color Chem & Paper, Pigment Color Div, Glens Falls, N Y 2-5831
Atlanta, Ga, 650 Murphy Ave SW Plaza 5-3295
Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-6010
Boston 16, Mass, 1002 Statler Bldg Hubbard 2-1934
Chicago 9, Ill, 3801 S Ashland Ave Lafayette 3-4900
Cincinnati 2, Ohio, 608 American Bldg Cherry 1-1954
Cleveland 15, Ohio, 535 Bulkley Bldg Cherry 1-4575
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-1321
Houston 1, Tex, 1601 Sawyer St Capitol 7-3149
Los Angeles 31, Cal, 639 Antonia Ave Capitol 5-5452
N Y 22, 515 Madison Ave Eldorado 5-0717
St Louis 10, Mo, 3937 Park Ave Mohawk 4-0599
San Francisco 5, Cal, 55 New Montgomery St Yukon 2-2250

INDEPENDENT CHEM CORP, 70-30 79 Pl, Glendale, 27, N Y TW 4-0700
Indium Corp of America, 1676 Lincoln Ave, Utica 4, N Y Swift 7-1630
N Y 17, 60 E 42 St Murray Hill 2-8088
INDUSSA CORP, 511 3 Ave, N Y 17 MU 2-4680
Houston 2, Tex, 701 Montrose Jackson 6-4687
San Francisco 3, Cal, 503 Market St Exbrook 2-7315
Industrial Adhesive Co, 2500 Caroline St, Dallas 4, Tex Riverside 1-5431
New Orleans 8, La, 748 Orange St EX 3324
INDUSTRIAL CHEM & DYE CO, 239 Broadway, N Y 7 Cortlandt 7-2303
Industrial Chem Specialties Co, P O Box 456, (Baytown) 307 Wallisville Rd, Highlands, Tex Highlands 4-1331
Industrial Dyestuff Co, Massasoit Ave, P O Box 4249 E Providence 14, R I Geneva 4-0940
Industrial Minerals, Inc, York, S C Murray 4-6661
Industrial Minerals & Chem Co, 6 & Gilman, Berkeley 10, Cal Landscape 4-2108
Florin, Cal, Reese Rd, Sacramento Garden 8-2811
INDUSTRIAL RAW MATERIALS CORP, 575 Madison Ave, N Y 22 Murray Hill 8-8080
(THE) INERTO CO, 1489 Folsom St, San Francisco 3, Cal Hemlock 1-0145
Inertol Co, Inc, 476-86 Frelinghuysen Ave, Newark 12, N J Bigelow 3-2000
Chicago 10, Ill, 461 W Erie St Whitehall 3-2500
Mariton, N J, Rtes 70, 73 Eastgate 1-0115
San Francisco, Cal, Suite 25, 27 S Park Sutter 1-4475
INLAND CHEM CORP, 1702 Winter St, Ft Wayne, Ind Anthony 4481
Cleveland, O, 605 Nickle Plate Rd Main 1-5897
Hammond, Ill, 724 Hoffman St WE 2-8678
South Bend, Ind, 2217 S Main St AT 9-0328
Toledo, O, 1120 Bush St CH 3-5296
Inland Steel Co, 30 W Monroe St, Chicago 3, Ill Financial 6-0300
Davenport, Iowa, 326 W 3 St 7-9111
Detroit 35, Mich, 16815 James Couzens Hwy Diamond 1-5411
Houston 1, Tex, 1300 Main St Capitol 5-3264
Indianapolis 4, Ind, 333 N Penn Ave Melrose 4-1458
Kansas City 5, Mo, 1004 Baltimore Ave Victor 5506
Milwaukee 2, Wis, 208 E Wisconsin Ave Broadway 6-4921
N Y 17, 230 Park Ave Murray Hill 6-7250
St Louis 5, Mo, 111 S Bemiston Ave Parkview 6-5656
St Paul 1, Minn, 332 Minnesota St Capitol 7-6641
O G INNES CORP, 10 E 40 St, N Y C Oregon 9-6180
Interchem Corp, Finishes Div, 224 McWhorter St, Newark 5, N J Mitchell 2-8300
Chicago 38, Ill, 6540 S Laramie Ave Portsmouth 7-4221
Cincinnati 7, Ohio, 1754 Dana Ave Melrose 1-5705
Cleveland 2, Ohio, 1325 W 73 St Atlantic 1-9700
Detroit 8, Mich, 2567 W Grand Blvd Tyler 8-4580
Los Angeles 13, Cal, 590 Santa Fe Ave Madison 5-1141
N Y 36, 67 W 44 St Murray Hill 7-4900
St Louis, Mo, 4168 Maramec St Townsend 5-1717
San Francisco 5, Cal, 461 Market St Exbrook 7-1087
Interchem Corp, Color & Chems Div, 150 Wagaraw Rd, Hawthorne, N J 7-6700
Chicago 30, Ill, 5306 W Lawrence Ave Spring 7-2258
Elyria, O, Elyria Savings & Trust Bldg Fairfax 2-5729
See also separate listing by division:
Angier Adhesives
INTERNATIONAL COMMODITIES CORP, 11 Mercer St, N Y 13 WO 4-3100
International Graphite & Electrode Div, Speer Carbon Co, Theresia St, St Marys, Pa TE 42-801
International Flavors & Fragrances Inc
See separate listings by divisions:
Pollack & Schwarz Div
Van Ameringen-Haebler Div
INTERNATIONAL MINERALS & CHEM CORP, Old Orchard Rd, Skokie, Ill Orchard 6-3000
AMINO PRODUCTS DIV, 5401 Old Orchard Rd, Skokie, Ill Orchard 6-3000
N Y 17, 485 Lexington Ave (Fine Chems) Oxford 7-4040
INDUSTRIAL MINERALS DIV, 5401 Old Orchard Rd, Skokie, Ill Orchard 6-3000
CONSOLIDATED FELDSPAR DEPT
Columbia, Mo, 507 Edgewood
E Liverpool, Ohio, P O Box 785
Trenton, N J, P O Box 1843
EASTERN CLAY PRODUCTS DEPT
Detroit 20, Mich, 18264 James Couzens Hwy University 4-3288
Jackson, Ohio, 319 Walnut St 307
PHOSPHATE CHEM DIV, 5401 Old Orchard Rd, Skokie, Ill Orchard 6-3000
PLANT FOOD DIV, Old Orchard Rd, Skokie, Ill Orchard 6-3000
Albany, Ga, P O Box 7 Hemlock 6-3391
Buffalo, N Y, P O Box 21, Sta A Taylor 1888
Chicago Heights, Ill, P O Box 277 Skyline 4-1140
Cincinnati, Ohio, P O Box 67 Valley 1-3570
Clarksville, Tenn, P O Box 69 Midway 7-1519
East Point, Ga, P O Box 69 Poplar 1-6643
Florence, Ala, P O Box 158 Atwater 2-7821
Fort Worth, Tex, P O Box 4545 Market 6-8257
Greenville, Tenn, P O Box 224 5641
Hartsville, S C, P O Box 389 600
Mason City, Iowa, P O Box 1097 Garden 3-0744
Mulberry, Fla, P O Box 2567 2481
Texarkana, Ark, P O Box 928 2-3159
Tupelo, Miss, P O Box 403 Vinewood 2-6152
Winston-Salem, N C, P O Box 4145 Park 5-0271
Woburn, Mass, P O Box 230 WO 2-1036
POTASH DIV, 5041 Old Orchard Rd, Skokie, Ill CO 7-1428
Midland, Tex, Fidelity Union Life Ins Bldg Mutual 2-5207
N Y 17, 485 Lexington Ave Oxford 7-4040
(The) International Nickel Co, Inc, 67 Wall St, N Y 5 Whitehall 4-1000
Chicago 1, Ill, 333 N Michigan Ave Franklin 2-4030
Cincinnati 2, O, Carew Tower Parkway 1-1631
Detroit 35, Mich, 19842 James Couzens Hwy Broadway 3-6780
Hartford 3, Conn, 75 Pearl St Jackson 7-0383
Houston 2 Tex, Commerce Bldg Capitol 4-1433
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-2496
Minneapolis, 2, Minn, Northwestern Bank Bldg Federal 6-0631
(Phila) Abington, Pa, 1150 York Rd Waverly 4-6692
Pittsburgh 19, Pa, Grant Bldg Atlantic 1-9546
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-3378
International Salt Co, Inc, Scranton Life Bldg, Scranton, Pa Diamond 2-3293
Atlanta 9, Ga, 1401 Peachtree St Bldg NE Trinity 6-7549
Baltimore 2, Md, 2 E Read St Plaza 2-5811
Boston 14, Mass, 150 Causeway St Capitol 7-5084
Buffalo 3, N Y, Marine Trust Bldg Madison 3035
Chicago 1, Ill, 228 N LaSalle St Andover 3-7236
Cincinnati 2, Ohio, Carew Tower Main 1-1450
Cleveland 14, Ohio, 720 Euclid Ave Superior 1-5007
Detroit 26, Mich, Griswold & Congress Sts Woodward 1-2770
Memphis 11, Tenn, 3355 Poplar Ave Bldg Fairfax 3-8036
Newark 2, N J, 744 Broad St Market 3-5106
New Orleans 12, La, Whitney Bank Bldg Canal 1161
N Y 17, 475 5 Ave Murray Hill 5-2760
Phila 2, Pa, 15 & Locust Sts Pennypacker 5-5262
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Locust 3-3313
Richmond 19, Va, Central Natl Bank Bldg Milton 8-4789
St Louis 10, Mo, 4006 Duncan Ave Olive 2-4652
INTERNATIONAL SELLING CORP, 122 E 42 St, N Y 17 Oxford 7-1331
Houston, Tex, 75 & Wingate Walnut 1-2178
INTERNATIONAL WAX REFINING CO, 99 E Hawthorne Ave, Valley Stream, N Y Locust 1-2500
Interplastics Corp, 120 E 56 St, N Y 22 Plaza 1-4280
INTEX CHEM CORP, 167 Main St, Lodi, N J Gregory 1-1451
IRON SPECIALTIES CO, 700 W Western Ave, Muskegon, Mich 2-6089
Ironton Fire Brick Co, 1300 Ashtabula St, Ironton, Ohio 109
Isocyanate Products, Inc, 900 Wilmington, New Castle, Del East 8-5661
Isomet Corp, 430 Commercial Ave, Palisades Park, N J Windsor 4-3070
Isotopes Specialties Co, Div Nuclear Corp of America, 170 W Providencia, Burbank, Cal Victoria 9-2273

J

►JEFFERSON CHEM CO, INC,
1121 Walker Ave, Houston 1, Tex Capitol 2-6353
Charlotte 2, N C, 1108 Liberty Life Bldg Franklin 7-5670
Chicago 1, Ill, 221 N LaSalle St Randolph 6-1995
Cleveland 14, Ohio, 724 Superior Bldg Prospect 1-5638
N Y 16, 260 Madison Ave Murray Hill 6-7700
Jefferson Lake Sulphur Co, 1810 Prudential Bldg, Houston 25, Tex Jackson 6-2811
Tulsa, Okla, 91 First Natl Bldg Cherry 2-4366
See also separate listing by division:
Merichem Div
Jewel Labs, G P O Box 158, Bklyn 1, N Y TR 5-7715
JOHNS-MANVILLE, 22 E 40 St, N Y 16 Lexington 2-7600
Branches in all principal cities
S C Johnson & Son, Inc, Service Products Div, 1525 Howe St, Racine, Wisc Melrose 2-1611

►JONES CHEMS, INC,
100 Sunny Sol Blvd, Caledonia N Y Keystone 8-2311
Beech Grove, Ind, 600 Bethel Ave State 6-1443
Charlotte, N C, 613 McNinch Franklin 6-7790
Erie, Pa, 1399 W 18 St Erie 5-8836
Hudson, Wis, Box 111 DuPont 6-5414
Jacksonville, Fla, 2565 Dennis St Elgin 6-3321
N Miami, Fla, 14400 N E 20 Lane Wilson 7-1461
Riverview (Wyandotte), Mich, 18000 Payne Ave Avenue 3-0676
N St Petersburg, 3000 22 Ave 5-4136
Torrence, Cal, 1904 Border Ave Nevada 6-6795
Jones-Dabney Co, Div Devoe & Raynolds Co, Inc, 1481 S 11 St, Louisville, Ky Melrose 4-8311
Jordan Co, 51 St & Merrimac Ave, Chicago 38, Ill Portsmouth 7-6570
Joy Chem Co, 133 Webster St, Pawtucket, R. I. 2-2700

K

K & K LABS, INC, 177-10 93 Ave, Jamaica 33, N Y Axtel 1-7474
Kaiser Chems Div, Kaiser Aluminum & Chem Corp, 1924 Broadway, Oakland 12, Cal Crestview 1-2211
Birmingham, Ala, 1206 S 20 Fairfax 4-1230
Hammond, Ind, 518 Calumet Bldg Westmore 2-8140
Houston, Tex, Southern States Life Bldg, 3400 Montrose Blvd Jackson 3-5518
Los Angeles, Cal, 2304 Huntington Dr Cumberland 3-2713
Pittsburgh, Pa, 3 Gateway Center Court 1-4202
St Louis, Mo, 10 Brentwood Blvd Volunteer 3-1100
Seattle, Wash, 302 WEA Bldg, 910 5 Ave Main 3-7821
Kane Labs, 1063 S Thompson Lane, Nashville, Tenn Alpine 4-3519
Kaplop Labs, 6710 W Jefferson, Detroit 17, Mich VI 1-5869
KAWECKI CHEM CO, 220 E 42 St, N Y 17 Murray Hill 2-7143

►KAY-FRIES CHEMS, INC,
180 Madison Ave, N Y 16 Murray Hill 6-0661
Spencer Kellogg & Sons, Inc, 98 Delaware Ave, Buffalo 5, N Y Cleveland 5850
Baltimore 2, Md, 409 American Bldg Plaza 2-8261
Boston 16, Mass, 1108 Statler Bldg Hancock 6-0645
Chicago 3, Ill, 3526 Bankers Bldg Franklin 2-3437
Cincinnati 2, Ohio, 930 Federal Reserve Bank Bldg Main 1-0950
Cleveland 26, O Edison 3-2020
Des Moines 6, Iowa, E 3 & Market Sts Cherry 4-7291
Detroit 26, Mich, 1379 Penobscot Bldg Woodward 3-9437
Long Beach 1, Cal, 305 Henry Ford Ave Hemlock 2-4954
Minneapolis 15, Minn, 123 Minneapolis Grain Exch Federal 5-4221
N Y 17, 2805 Graybar Bldg Murray Hill 5-9800
Phila 3, Pa, 1616 Walnut St Pennypacker 5-8787
St Louis 6, Mo, 102 Mullanphy St Chestnut 1-7771
Kenrich Corp, 57-02 48 St, Maspeth 78, NY ST 4-1772
KENTUCKY COLOR & CHEM CO, SUBS HARSHAW CHEM CO, 600 N 34 St, Louisville 12, Ky Spring 6-2417
Alhambra, Cal, 248 E Main St Cumberland 3-3888
Cleveland, Ohio, 8905 Lake Ave Woodbine 1-8620
Newark 2, N J, 17 Academy St Market 2-4463
Phila 10, Pa, 1400 Chestnut St Locust 7-0567
KESSLER CHEM CO, INC, State Rd & Cottman Ave, Phila 35, Pa Devonshire 8-0800
Boston 10, Mass, 115 High St Hancock 6-0285
Chicago 49, Ill, 7101 Stony Island Ave Plaza 2-6666
N Y 7, 50 Church St Courtland 7-5728
Ketona Chem Corp, P O Box 6548, Tarrant Branch, Birmingham 7, Ala VI 1-2784
E & F KING & CO, INC, 642 Pleasant St, Norwood, Mass 7-3113
Salem, Mass, 86 Jackson St Pioneer 4-0253
Klem Chems, Inc, 14401 Lanson, Dearborn, Mich TI 6-2600
Cincinnati, Ohio Melrose 1-5409
Cleveland, Ohio Superior 1-4636
El Monte, Cal, 1905 N Central Ave Forest 8-0128
Fairlawn, N J 4-1739
Milwaukee, Wis Broadway 3-7617
Knoll Pharmaceutical Co, 377 Crane St, Orange, N J 3-0474
H KOHNSTAMM & CO, INC, 83-93 Park Pl, N Y 7 Barclay 7-9760
Baltimore 2, Md, 315 Guilford Ave Lexington 9-1629
Boston 27, Mass, 15 Elkins St Andrew 8-4234
Chicago 11, Ill, 11-13 E Illinois St Superior 7-6174
Cincinnati 25, Ohio, 1314 Bates Ave Kirby 1-8844
Dallas 26, Tex, 3601 Main St Riverside 1697
Houston 3, Tex, 2311 Polk Ave Capitol 4-9786
Indianapolis 3, Ind, 1001 E New York St Melrose 6-8619
Kansas City, Mo, 933 Mulberry St Baltimore 4466
Los Angeles, Cal, 2632 E 54 St Ludlow 5-1226
Minneapolis 1, Minn, 6-10 E Hennepin Ave Federal 5-3546
New Orleans, La, 519 Poydras St Magnolia 2481
Omaha 8, Neb, 1307 Leavenworth St Atlantic 0926
St Louis 4, Mo, 2347 Rutger St Prospect 2-6430
V & E Kohnstamm, Inc, 401 Broadway, N Y 13 Walker 5-1504
KOLKER CHEM CORP, 600 Doremus Ave, Newark, N J Market 2-4085

►KOPPERS CO, INC,
Koppers Bldg, Pittsburgh 19, Pa Express 1-3300

►CHEMS & DYESTUFFS DIV,
Koppers Bldg, Pittsburgh 19, Pa Express 1-3300
Charlotte, N C, 1500 Hutchison Ave Franklin 6-2741
Chattanooga, Tenn, 4001 Rossville Blvd Taylor 1-7581
Chicago 38, Ill, 7101 W 60 St Reliance 5-3405
Columbus, Ga, Rm 405, Empire Bldg Fairfax 7-2656
Haverford, Pa, 355 E Lancaster Ave Greenwood 7-9516
Houston, Tex, 701 N Jacinto St Capitol 7-7151
Los Angeles 5, Cal, 2313 E 8 St Tucker 4468
Paterson, N J, 25 McLean Blvd Lambert 5-3400
Providence, R I, 1430 Elmwood Ave Stewart 1-1700
San Francisco, Calif, 55 New Montgomery St Douglas 2-3364
Durethane Plant, 7001 W 60 St, Chicago 38, Ill LU 5-5800
Gas & Coke Div, Seaboard Plant, Kearny, N J Wyman 1-6000

(Continued)

Koppers Co (continued)
Plastics Div, Koppers Bldg, Pittsburgh 19, Pa Express 1-3300
Atlanta 3, Ga, 1029 Healey Bldg Jackson 4-3844
Boston 16, Mass, 250 Stuart St Hancock 6-1700
Chicago 3, Ill, 122 S Michigan Ave Webster 9-2400
Detroit 3, Mich, 301 W 8 Mile Rd Forest 6-5200
Haverford, Pa, 355 E Lancaster Ave Greenwood 7-9516
Houston 4, Tex, 4101 San Jacinto Jackson 4-5975
Los Angeles 5, Cal, 3450 Wilshire Blvd Dunkirk 8-0676
N Y 22, 430 Park Ave Plaza 5-2810
San Francisco 5, Cal, 55 New Montgomery St
Tar Products Div, Koppers Bldg, Pittsburgh 19, Pa Express 1-3300
Boston 16, Mass, 250 Stuart St Hancock 6-1700
Chicago 3, Ill, 122 S Michigan Ave Webster 9-2400
Los Angeles 5, Cal, 3450 Wilshire Blvd Dunkirk 8-0676
N Y 22, 430 Park Ave Plaza 5-2810
Woodward, Ala Birmingham: State 8-1611
KRAFT CHEM CO, 917 W 18 St, Chicago 8, Ill Seeley 3-1919
Kraft Foods, 500 Peshtigo Ct, Chicago 90, Ill Whitewall 4-7300
Krishell Labs, Inc, 1735 S E Powell Blvd, Portland 2, Ore Belmont 2-1412
Kromall Chem & Dispersions Corp, 10-12 46 Ave, Long Island City 1, N Y Stillwell 4-5075
Krylon, Inc, Ford & Washington Sts, Norristown, Pa Broadway 9-1950
Kuehne Chem Co, Woodruff Lane, Elizabeth, N J 2-0840

L

Laboratory Equipment Corp, Hilltop Rd, St Joseph, Mich Yukon 3-5534
Lacquer Specialties, Inc, 249 Ave P, Newark 5, N J MI 2-7627
LAKE STATES YEAST DIV, ST REGIS PAPER CO, 603 W Davenport St, Rhinelander, Wis Forest 2-4121
N Y 17, 420 Lexington Ave Murray Hill 3-7286
Lanaetex Products, Inc, 151-157 3 Ave, Elizabeth, N J 2-7568
Landers-Segal Color Co, 81 Delavan St, Bklyn 31, N Y Main 5-1041
E J LAVINO & CO, 3 Penn Center Plaza, Phila 2, Pa LO 8-2000
Lawson Chem Products Co, 17000 S Broadway, Gardena, Cal Faculty 1-4220
Leffingwell Chem Co, P O Box 1187 Perry Annex Whittier, Cal ED 6-5774
Legrand Chem Corp, 103 50 St, Bklyn 32, N Y ST 8-3166
B L Lemke & Co, Inc, 199 Main St, Lodi, N J Prescott 3-3900
N Y C: Bryant 9-0677
Theodore Leonhard Wax Co, Inc, 136 Church St Haledon, Paterson 2, N J Mulberry 4-1444
LEVER BROTHERS CO, INDUSTRIAL DIV, 390 Park Ave, N Y C 22 Murray Hill 8-6000
Chicago 38, Ill, 6901 W 65 St Reliance 5-6800
Los Angeles 22, Cal, 6300 E Sheila St Raymond 3-6131
N Y 17, 205 E 42 St Murray Hill 4-7028
Fred'k H Levey Co, Inc, 380 Madison Ave, N Y 17 Murray Hill 7-2300
Atlanta 3, Ga, 587 Whitehall St S W Jackson 5-0558
Bklyn 32, N Y, 224 44 St Gedney 9-7979
Cambridge 42, Mass, Kendall Sq Bldg Kirkland 7-3333
Chicago 32, Ill, 4250 W 42 Pl Lafayette 3-6350
Dallas 7, Tex, P O Box 10143 Riverside 7-5212
Los Angeles 22, Cal, 6600 E Bandini Blvd Raymond 3-4734
Menasha, Wis, P O Box 89 Parkway 2-7787
Monmouth Junction, N J, Stouts Lane Davis 9-8811
New Orleans 13, La, 1620 Polymnia St Magnolia 4830
Phila 43, Pa, 4901 Grays Ave Saratoga 7-5008
Portland, Ore, 1835 NE 3 Ave Atlantic 3-3761
St Louis 3, Mo, 1905 Washington Ave
San Leandro, Cal, 1660 Timothy Dr Lockhaven 9-5018
Springfield, Ohio, 207 S Walter St Springfield 5-6444
Eli Lilly & Co, 740 S Alabama St, Indianapolis 6, Ind Melrose 6-2211
Limestone Products Co, 320 1 St, Menominee, Mich Union 3-5559
Linde Co, Div Union Carbide Corp, 30 E 42 St, N Y 17 MU 7-8000
Branches in all principal cities

►LINDSAY CHEM DIV, AMERICAN POTASH & CHEM CORP
258 Ann St, W Chicago, Ill 760
Atlanta 3, Ga, 214 Walton Bldg Jackson 2-3361
Chicago 45, Ill, 3557 W Peterson Cornelia 7-0818
Columbus, O, 12 N 3 St, Rm 238 Capitol 8-1014
Los Angeles 54, Cal, 3000 W 6 St Dunkirk 2-8231
N Y 16, 99 Park Ave Oxford 7-0544
Portland 1, Oregon, 1320 SW Broadway Capitol 6-2463
San Francisco, Cal, 235 Montgomery St Douglas 2-1300
Shreveport, La, 1600 Fairfield Ave, Rm 318 5-4488
Washington 5, D C, 429-437 Investment Bldg, 15 & K St NW District 7-1297
Liquid Carbonic Div, General Dynamics Corp, 135 S LaSalle St, Chicago 3, Ill Financial 6-8181
Atlanta, Ga, 743 McDaniel SW Murray 8-6896
Cleveland, Ohio, 1318 W 58 St Woodbine 1-0422
Kansas City, Mo, 1339 Liberty St Harrison 1-0532
N Y C, 155 E 44 St Murray Hill 2-7400
Phila, Pa, Front & Porter Sts Howard 5-8300
San Francisco, Cal, 351 California St Exbrook 2-8212
Lithcote Corp, 5000 W Lake St, Melrose Park, Ill Fillmore 5-2630
N Y 36, 36 W 44 St Murray Hill 7-1088
Norwalk, Conn, 42 Belden Ave Temple 8-0603
LITHIUM CORP OF AMERICA, INC, Suite D, 400 2 Ave S, Minneapolis 1, Minn Federal 2-7451
Bessemer City, N C, P O Box 428 Main 9-2282
N Y 17, 60 E 42 St Murray Hill 7-5866
Livestock Chem Co, 3814 S Division Ave, Grand Rapids, Mich GL 2-6731
Lorenz Chem Co, 17 & Nicholas St, Omaha 2, Neb JA 1623
Los Angeles Chem Co, 4545 Ardine St, S Gate, Cal Ludlow 3-4761
San Diego 10, Cal, P O Box D Cypress 8-7727
LOTTE CHEM CORP, 109 5 Ave, Paterson, N J Mulberry 4-0704
N Y C: Bryant 9-1567
Lox Mfg Co, 3310 E 31 St, Kansas City 28, Mo WA 4-3600
LUCIDOL DIV, WALLACE & TIERNAN INC, 1740 Military Rd, Dept 3, Buffalo 5, N Y Victoria 1740
GEORGE LUEDERS & CO, 427 Washington St, N Y 13 Walker 5-4200
Chicago 10, Ill, 510 N Dearborn St Superior 7-7462
San Francisco 5, Cal, 35 Main St Yukon 2-5580

M

A R Maas Chem Co, Div Victor Chem Works, 4570 Ardine St, S Gate, Cal Ludlow 8-2214
Oakland, Cal, 5653 College Ave Olympic 5-7361
MacKenzie Chem Works, Inc, 1 Cordello St, Central Islip, N Y 4-8600
Macklin Co, 2917 Wildwood Rd, Jackson, Mich State 4-6161
Chicago 51, Ill, 5818 W Division St Columbus 1-3862
Detroit 2, Mich, 1144 W Baltimore Trinity 5-0725
Madison Glue Corp, 200 W 34 St, N Y 1 PE 6-6951
Madison, Ind, N Walnut St 1047
Magic-Glow Chem Corp, 166 W Washington, Chicago 2, Ill Dearborn 2-4947
Magnuson Products Corp, 50 Court St, Bklyn 1, N Y Main 5-0190
Magruder Color Co, Inc, 2385 Richmond Terrace, Staten Island 6, N Y Yukon 1-4140
Chicago, Ill, 308 Washington St
MAHER COLOR & CHEM CO, 1700 N Elston Ave, Chicago 22, Ill Armitage 6-7440
Major Chem & Latex Corp, 31-39 Allerton St, Boston 19, Mass Garrison 7-2030
MALLINCKRODT CHEM WORKS, 2 & Mallinckrodt Sts, St Louis 7, Mo Central 1-8980
Chicago 1, Ill, 307 N Michigan Ave State 2-1400
Cincinnati 19, Ohio, 3033 Vernon Pl Avon 1-6341
Cleveland 9, Ohio, 1305 Brookpark Rd Shadyside 9-1040
Detroit 4, Mich, 8730 W Chicago Blvd Webster 3-0444
Los Angeles 58, Cal, 3016 E 44 St Ludlow 3-2237
N Y 8, 72 Gold St Worth 4-4900
Phila 4, Pa, 311 N 3 St Market 7-0235
San Francisco 4, Cal, 465 California St Sutter 1-4748
Malmstrom Chem Corp, 259 Parkhurst St, Newark 5, N J Talbot 4-2200
N I Malmstrom & Co, 147 Lombardy St, Brooklyn 22 N Y Evergreen 8-7626
Manganese Chems Corp, 1755 Rand Tower, Minneapolis, Minn Federal 2-8371
GEORGE MANN & CO, 251 Fox Point Blvd, Providence 3, R I Gaspee 1-8466
(Boston) Stoneham 80, Mass Winchester 6-2910
Mann Fine Chems, Inc, 136 Liberty St, N Y 6 Beekman 3-5863
Mann Research Labs, Inc, 136 Liberty St, N Y 6 Beekman 3-5863
Marathon Corp (Chem Sales Dept), Div American Can Co, Menasha, Wis Parkway 2-4211
Marblehead Lime Co, 300 W Washington St, Chicago 6, Ill Central 6-1571
Marblette Corp, 37-31 30 St, Long Island City 1, N Y Stillwell 4-8100
Chicago 39, Ill, 5655 W North Ave Berkshire 7-9595
Detroit 35, Mich, 19741 James Couzens Highway Broadway 3-5100
MARCUS RUTH JEROME CO, 141 W Jackson Blvd, Chicago 4, Ill Harrison 7-1760
N Y 36, 11 W 42 St Longacre 5-0576
Marden-Wild Corp, 500 Columbia St, Somerville 43, Mass 6-7400
Milwaukee 17, Wis, 1834 N Navajo Ave Flagstone 2-6620
Marine Colloids, Inc, 24 State St, N Y 4 WH 4-1193
Chicago 5, Ill, 600 S Michigan Ave Wabash 2-3829
Los Angeles 25, Cal, 2024 Westgate Ave BR 2-4346
Marine Products Co, 345 W 1 St, Boston 27, Mass Andrew 8-0758
Marks Chem Works, 20 W 22 St, N Y 10 Oregon 5-2790
Marlowe-Van Loan Corp, 1511 Byrum St, High Point, N C 2-3351
Max Marx Color & Chem Co, 192 Colt St, Irvington, N J Essex 3-7801
Mason Color & Chem Works, Inc, 206-14 Broadway, E Liverpool, Ohio Fulton 5-4400
Mass & Waldstein Co, 2121 McCarter Hwy, Newark 4, N J Humboldt 4-1600
Chicago 12, Ill, 1658 Carroll Ave Monroe 6-6084
Los Angeles 34, Cal, 10751 Venice Blvd Vermont 8-2213
MATHE CHEM CO, 169 Millbank St, Lodi, N J Prescott 9-4981
(THE) MATHESON CO, INC, 932 Paterson Plank Rd, E Rutherford, N J Webster 3-2400
MATHESON COLEMAN & BELL, DIV MATHESON CO, INC, 2909 Highland Ave, (Norwood) Cincinnati 12, Ohio Melrose 1-3220
E Rutherford, N J, 932 Paterson Plank Rd Webster 3-2400

►MAUMEE CHEM CO,
2 Oak St, Toledo 5, Ohio Oxford 1-3516
Otto B May, Inc, 52 Amsterdam St, Newark 5, N J Mitchell 3-8444
MAYWOOD CHEM WORKS, 100 W Hunter Ave, Maywood, N J DI 2-2020
McGEAN CHEM CO, 1040 Midland Bldg, Cleveland 15, Ohio Main 1-6425
Chicago 6, Ill, 230 N Canal St State 2-6329
Cincinnati 37, Ohio, 1720 Section Rd
Detroit 8, Mich, 5621 Commonwealth Ave Trinity 2-1800
Grand Rapids 2, Mich, 900 Monroe Ave N W Glendale 9-3217
McGee Chem Co, Inc, 8000 West Chester Pike, Upper Darby, Pa Sunset 9-4616
McGraw-Edison Co, Thomas A Edison Industries, Medical Gas Div, Stuyvesant Falls, N Y Kinderhook: Murdock 5-5101
North Grafton, Mass Vernon 9-3542
West Orange, N J Orange 3-6990
McKay Chem Co, Inc, 880 Pacific St, Bklyn 38, N Y ST 3-4340
McKESSON & ROBBINS, INC, CHEM DEPT, 155 E 44 St, N Y 17 Yukon 6-6400
Atlanta 8, Ga, 805 Peachtree St N E Trinity 6-4858
Bloomfield, N J, 1246 Broad St Edison 8-6700
Boston 9, Mass, 79 Milk St Liberty 2-1124
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 8590
Burlington, Iowa, 100 N 4 St Plaza 4-4603
Cedar Rapids, Iowa, 900 2 St S E Empire 4-4191
Chicago 80, Ill, 3100 S California Ave Cliffside 4-1100
Cincinnati 41, O, 3025 Exon Ave, Evandale Princeton 1-4311
Cleveland 3, Ohio, 4500 Euclid Ave Henderson 1-9800
Columbus, O, 1795 S High St Hickory 3-7629
Corpus Christi, Tex, 1502 N Tancahua Tulip 3-8464
Dallas 10, Tex, 3 & Borich St Hamilton 1-7668
Davenport, Iowa, 220 E 2 St 6-4341
Decatur, Ill, 60 Industry Court 8-3823
Denver 11, Colo, 1211 W 44 Ave Glendale 5-1643
Des Moines, Iowa, 216 Elm St Atlantic 2-4392
Detroit 27, Mich, 12606 Meyers Rd Texas 4-7830
Fort Worth 1, Tex, 2800 S Main St Walnut 7-8472
Grand Rapids 2, Mich, 402 McKay Tower Bldg Glendale 1-2938
Houston 11, Tex, 515 Norwood St Walnut 6-2615
Kansas City 20, Mo, Gulnotte & Michigan Aves Victor 2-6240
Los Angeles 22, Cal, 5353 Jillson St Angelus 9-9531
Louisville 9, Ky, 4007 Crittenden Dr Emerson 6-1404
Milwaukee 4, Wisc, 1100 S Barclay St Mitchell 5-7909
Minneapolis 18, Minn, 111 22 Ave N E Sterling 9-2403
Mobile 9, Ala, 717 St Joseph St Hemlock 8-4585
Odessa, Tex, 125 S Grandview Ave Federal 7-7323
Oklahoma City 1, Okla, 1700 W Grand Ave Central 2-1351
Omaha 8, Neb, 605 Leavenworth St Atlantic 4755
Peoria 1, Ill, 812 S Washington St 3-9149
Phila 2, Pa, 225 S 15 St Kingsley 5-4467
Pittsburgh 28, Pa, 300 Cedar Blvd Lehigh 1-8322
Portland 8, Ore, 630 N W 14 Ave Capitol 2-1011
Providence 1, R I, 68 Traverse St Gaspee 1-0262
St Louis 7, Mo, Foot Destrehan St Central 1-0944
San Antonio 6, Tex, 1110 Hoefgen Ave Lehigh 3-1213
Sioux City 6, Iowa, 304 Pearl St 5-6334
S Norwalk, Conn, 55 Day St Volunteer 6-2569
Tulsa 3, Okla, 6550 E Skelly Dr Riverside 3-4411
Wichita 4, Kan, 2041 N Mosley Ave Amhurst 7-6293
McLAUGHLIN GORMLEY KING CO, 1715 5 St S E, Minneapolis 14, Minn Franklin 1-1808
Chicago, Ill, 30 W Washington St Central 6-3869
Kansas City, Mo, 2826 Main Logan 1-3300
Los Angeles, Cal, 816 W 5 St Mutual 6306
N Y 16, 21 E 40 St Lexington 2-4115
MEARL CORP, 41 E 42 St, N Y 17 Oxford 7-8137
MEER CORP, 318 W 46 St, N Y 36 JU 6-0900
Chicago 10, Ill, 325 W Huron St Michigan 2-8895
MERCER CHEM CORP, 11 Mercer St, N Y 13 Worth 4-4540

►MERCK CHEM DIV, MERCK & CO, INC, Rahway, N J Fulton 1-5000

Los Angeles 22, Cal, 6409 E Grayhart St Raymond 3-9521
St Louis 16, Mo, 4545 Oleatha Ave Flanders 3-7000
Teterboro, N J, 111 Central Ave Atlas 8-2292
Electronic Chems Div, Rahway, N J Fulton 1-5000
Marine Magnesium Div, Rahway, N J Fulton 1-5000
S San Francisco, Cal Plaza 5-2533
Merichem Div, Jefferson Lake Sulphur Co, 1810 Prudential Bldg, Houston 25, Tex Jackson 6-2811
Merix Chem Co, 2234 E 75 St, Chicago 49, Ill Bayport 1-8242
L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill Canal 6-7158
Meta Chem Corp, 214½ Washington Ave, Carlstadt, N J Geneva 8-0367

►METAL HYDRIDES, INC, 12-24 Congress St, Beverly, Mass Walker 2-1875

►METAL & THERMIT CORP, Rahway, N J Fulton 1-3000

Atlanta, Ga, 565 Western Ave Jackson 3-0415
Detroit 20, Mich, 1700 E 9 Mile Rd Jordan 4-5740
E Chicago, Ind, 415 E 151 St 296
El Segundo, Cal, 1926 E Maple Ave Oregon 8-5186
N Y 17, 100 Park Ave Lexington 2-6300
Pittsburgh 33, Pa, 1514 W North Ave Fairfax 1-4800
S San Francisco, Cal, E Grand Ave Plaza 5-5125
Metallic Lead Industrial Products, Inc, 2518 Chalk Hill Rd, Dallas, Tex FE 1-5419
Metals & Controls Corp, 34 Forest St, Attleboro, Mass 1-2800
Chicago 41, Ill, 4328 N Elston Ave Juniper 3-2564
Detroit 19, Mich, 18220 W McNichols Rd Kenwood 7-7400
Indianapolis, Ind, 1635 Gent Ave Melrose 2-3768
Milwaukee 17, Wis, 5856 N Port Washington Rd Woodruff 2-4120
N Y 17, 1 E 42 St Oxford 7-0966
Pasadena, Cal, 232 N Lake Ave Ryan 1-7275
METALSALTS CORP, 200 Wagaraw Rd, Hawthorne, N J 7-6000
Metro-Atlantic, Inc, 2072 Smith St, Centredale 11, R I 1-5700
Hawthorne, N J, 100 Wagaraw Rd Hawthorne 7-1165
Greenville, S C, 1210 Poinsett Hwy Cedar 5-9618
Mexico Refractories Co, Coal & Love Sts, Mexico, Mo JU 1-1250
Birmingham 1, Ala, 2220 1 Ave, S Fairfax 2-3537
Chicago 3, Ill, 30 W Monroe Randolph 6-3055
Dearborn, Mich, 6220 Miller Rd Luzon 4-8050
Houston 1, Tex, 2211 Walker Fairfax 3-0307
Kansas City 8, Mo, 1727 Walnut Grand 1-5657
Los Angeles 58, Cal, 4555 Pacific Blvd Ludlow 3-3468
N Y 6, 21 W St Bowling Green 9-8868
Pittsburgh 22, Pa, 1447 Oliver Bldg Atlantic 1-5030
J Meyer & Sons, Inc, 4321 N 4 St, Phila 40, Pa Davenport 9-1068
David Michael & Co, Inc, 3743 D St, Phila 24, Pa GA 6-5925
Chicago 45, Ill, Suite 124, 5875 N Lincoln Ave Long 1-0079

►M MICHEL & CO, INC, 90 Broad St, N Y 4 Digby 4-3878

MICHIGAN CHEM CORP, 500 N Bankson St, St Louis, Mich 4511
College Station, Tex, 1306 Walton Dr VI 6-7345
Kansas City, Mo, 3711 Forest Ave Grand 1-5652
Palo Alto, Cal, 3409 Cowper St DA 6-2146
N Y 17, 230 Park Ave Murray Hill 3-5480
Savannah, Ga, Barnett Dr, RFD Parkesburg Elgin 5-5186
Midland Adhesive & Chem Corp, 2600-04 Goodrich, Ferndale 20, Mich JO 4-6209
MIDLAND TAR DISTILLERS, INC, 1143 E Jersey St, Elizabeth, N J 3-6060
Milbrew Co, 3456 N Buffum St, Milwaukee 12, Wis Edgewood 2-3114
H E Millard Lime & Stone Co, Annville, Pa Underhill 7-3231
Harry Miller Corp, 4 & Bristol Sts, Phila 40, Pa Davenport 4-4000
Miller Chem & Fertilizer Corp, 3006 W Cold Spring Lane, Baltimore 15, Md Mohawk 4-2350
Ephrata, Pa, Box 25 Republic 3-2453
Frederick, Md, 530 E South St Monument 3-6234
Hanover, Pa, Box 311 Melrose 3-0197
Salisbury, Md, 516 Springhill Ave Pioneer 2-3117
Whiteford, Md Cardiff: Glendale 2-4061
Miller Products Co, Ft of S W Caruthers St, Portland 1, Ore Capitol 8-7608
MILLMASTER CHEM CORP, 295 Madison Ave, N Y 17 Murray Hill 9-1817
Milwaukee Solvay Coke Co, 740 N Milwaukee St, Milwaukee 1, Wisc BR 1-5200
Mineral Oil Refining Co, P O Box 625, Dickinson, Tex 7-3060
MINERAL PIGMENTS CORP, Muirkirk, Md Parkway 5-2400
Chicago 11, Ill, 225 E Illinois St Whitehall 4-3837
Los Angeles 58, Cal, 4608 E 50 St Ludlow 8-5249
Newark 2, N J, 443 Broad St Humboldt 2-5016

Mineralite Sales Corp, P O Box 311, 231 Mineola Blvd, Mineola, L I, N Y Pioneer 7-3355

►MINERALS & CHEMS CORP OF AMERICA, 21 Essex Tpke, Menlo Park, N J Liberty 8-2200
Minerva Oil Co, Fluorspar Div, Box 531, Eldorado, Ill Bridge 3-2191

Minnesota Mining & Mfg Co,
Adhesives, Coatings & Sealers Div,
900 Bush Ave, St Paul 6, Minn Prospect 6-8511
Atlanta 18, Ga, 732 Ashby St N W Trinity 6-4401
(Boston) Newton Centre 59, Mass, 1330 Centre St Decatur 2-9810
Bristol, Pa, Box 119 Windsor 5-2800
Buffalo 5, N Y, P O Box 2012 Bailey 5214
(Chicago) Bedford Park, Ill, 6850 S Harlem, Argo P O Ludlow 5-7800
Cincinnati 37, O, 4835 Para Dr Elmhurst 1-2313
Cleveland 30, Ohio, 12200 Brookpark Rd Clearwater 2-4300
Dallas 28, Tex, 2121 Santa Anna Ave DA 7-7311
Detroit 2, Mich, 411 Piquette Ave Trinity 5-7111
Los Angeles 22, Cal, 6411 Randolph St Raymond 3-1241
Phila 20, Pa, 5698 Rising Sun Ave Pilgrim 2-0200
Pittsburgh 19, Pa, 911 Plaza Bldg Atlantic 1-2075
Ridgefield, N J, 700 Grand Ave Whitney 3-6700
St Louis 41, Mo, 10725 Baur Blvd Wydown 1-1320
St Paul 1, Minn, 367 Grove St Prospect 6-8511
Seattle 4, Wash, 3663 1 Ave S Mutual 2-5550
S San Francisco, Cal, 320 Shaw Rd Plaza 6-0800
Chem Div, 900 Bush Ave, St Paul 16, Minn PR 6-8511
Atlanta 18, Ga, 732 Ashby St, N W Trinity 6-4401
(Boston) Newton Centre 59, Mass, 1330 Centre St Decatur 2-9810
(Chicago) Bedford Park, Ill, 6850 S Harlem Ave Globe 8-2200
Cincinnati 37, Ohio, 4835 Para Dr Elmhurst 1-2313
Cleveland 30, Ohio, 12200 Brookpark Rd Clearwater 2-4300
Los Angeles 22, Cal, 6023 S Garfield Raymond 2-6641
(N Y C) Jersey City, N J, 75 Droyers St Henderson 2-0300
Phila 20, Pa, 5698 Rising Sun Ave Pilgrim 2-0200
St Louis 14, Mo, 10725 Baur Blvd Wydown 1-1320
Miranol Chem Co, 277 Colt St, Irvington 11, N J Essex 4-2500
MISSISSIPPI LIME CO, 7 Alby St, Alton, Ill 3-7741
Missouri Solvents & Chems Co see Solvents & Chems Group
Mobay Chem Co, 1815 Washington Rd, Pittsburgh 34, Pa LO 3-5100
Akron 11, Ohio, P O Box 2307, 920 Brown St Jefferson 5-2691
Los Angeles 22, Cal, 6670 E Flotilla St Raymond 3-6019
N Y 17, 405 Lexington Ave Oxford 7-8766
St Louis 66, Mo, 800 N Lindbergh Blvd Wydown 3-1000
Mobil Oil Co, Div Socony Mobil Oil Co, Inc, 150 E 42 St, N Y 17 Oxford 7-4200
Albany 1, N Y, 40 Steuben St
Baltimore 18, Md, 1914 N Charles St
Boston 6, Mass, 648 Beacon St
Buffalo 5, N Y, 130 Pearl St
Chicago 5, Ill, 59 E Van Buren St
Cleveland 15, O, 1422 Euclid Ave
Detroit 32, Mich, 903 W Grand Blvd
Kansas City 42, Mo, 925 Grand Ave
Phila 2, Pa, 15 & Chestnut Sts
St Paul 14, Minn, 606 Vandalia St

►MODERN SOLVENTS & CHEMS CORP, State St, Perth Amboy, N J Valley 6-0100
Mol Rez Div, American Petrochem Corp, 3134 California St N E, Minneapolis 18, Minn
Mona Industries, Inc, 65-75 E 23 St, P O Box 1786, Paterson 17, N J Armory 4-8220
Greenville, S C, P O Box 1794 Cedar 5-8770
Monroe Sander Corp, 10-18 46 Ave, Long Island City 1, N Y Stillwell 4-4413

►MONSANTO CHEM CO,
800 N Lindbergh Blvd, St Louis 24, Mo Wydown 3-1000
Akron 11, Ohio, 920 Brown St Hemlock 4-1921
Atlanta 5, Ga, 1401 Peachtree St N E Trinity 6-0777
Boston 49, Mass, Everett Sta Dunkirk 7-5010
Charlotte 2, N C, 1117 Johnston Bldg Edison 3-2101
Chicago 11, Ill, 520 N Michigan Ave Whitehall 4-6750
Cincinnati 6, Ohio, 2330 Victory Pkwy Woodburn 1-3677
Cleveland 15, Ohio, 427 Hanna Bldg Superior 1-3830
Detroit 23, Mich, 18230 Grand River Ave Broadway 3-7090
El Dorado, Ark, Lion Oil Bldg Union 3-3111
Houston 5, Tex, 2472 Bolsover St Jackson 6-2551
Little Rock, Ark, 5 & Woodlane Sts Franklin 6-2437
Los Angeles 22, Cal, 6670 E Flotilla St Raymond 3-2492
Memphis, Tenn, 1023 Riverside Dr Whitehall 8-4451
Minneapolis 2, Minn, 515 Foshay Tower Federal 9-4651
(New Orleans) Luling, La, P O Box 174 Sterling 4-2911
N Y 22, 445 Park Ave Plaza 9-8200
Pittsburgh 28, Pa, 20 Cedar Blvd Locust 3-4010
San Francisco 4, Cal, 111 Sutter St Yukon 6-6232
Seattle 4, Wash, 911 Western Ave Main 2-4203
Springfield 2, Mass, 812 Monsanto Ave State 8-6911
Syracuse 3, N Y, 731 James St Granite 4-6001
Wilmington 3, Del, 2005 Concord Pike, Fairfax Olympia 8-6423
Moores Lime Co, P O Box 878, Springfield, Ohio FA 3-8701
Mora Chem Corp, 3412 16 Ave W, Seattle 99, Wash Atwater 2-2111
MORNINGSTAR-PAISLEY, INC, 630 W 51 St, N Y 19 Judson 2-3790
Baltimore, Md, 140 N Kresson St Eastern 7-5100
Boston, Mass, 79 Milk St Hubbard 2-2175
Charlotte, N C, 205 W Worthington Ave Franklin 6-3977
Chicago 16, Ill, 1770 Canalport Ave Canal 6-2219
Cleveland, Ohio, 7016 Euclid Ave Express 1-9070
Los Angeles 58, Cal, 2457 E 30 St Ludlow 3-2361
Minneapolis, Minn, 718 N Washington Ave Federal 2-8953
Phila 2, Pa, 4 S 15 St Locust 4-1914
Redwood City, Cal, 1111 Chestnut St Emerson 8-4647
St Louis 15, Mo, Union Blvd & Brown Ave Evergreen 3-3100
Tampa, Fla, 510 8 St N, St Petersburg 53-5062
MORTON CHEM CO, 110 N Wacker Dr, Chicago 6, Ill Financial 6-6760
New Orleans 13, La, 1111 Tulane Ave Tulane 6511
N Y 13, 40 Worth St Cortlandt 7-9356
Morton Salt Co, 110 N Wacker Dr, Chicago 6, Ill Financial 6-1300
Boston 9, Mass, 148 State St Capital 7-6861
Burlingame, Cal, 1710 Trousdale Dr
Dallas 1, Tex, 1407 Main St Riverside 9925
Denver, Col, 933 Sherman St Tabor 5-2321
Des Moines 9, Iowa, 218 6 Ave
Detroit 8, Mich, 2444 W Warren
Kansas City 10, Mo, 6175 The Paseo Emerson 3-1435
Los Angeles 21, Cal, 1350 Produce St Trinity 4-0297
Milwaukee 46, Wis, 1400 W Bruce St Mitchell 5-7343
Minneapolis 1, Minn, 505 N 3 St Federal 2-4336
New Orleans 13, La, 1111 Tulane Ave Tulane 6511
N Y 13, 100 Church St Barclay 7-4280
Phila 23, Pa, 939 N Delaware Ave Market 7-4694
St Louis 2, Mo, 820 Gratiot St Main 1-2536
Salt Lake City 11, Utah, 175 S Main St Elgin 9-7715
Seattle 4, Wash, 1201 4 Ave S Elliott 4506
Wadsworth, Ohio, S Main St Federal 5-1541
MORTON-WITHERS CHEM CO, DIV CHAS PFIZER & CO, INC, 2110 High Point Rd, Greensboro N C Broadway 4-5468
Mountain Copper Co, Ltd, 230 California St, San Francisco 11, Cal Exbrook 2-0362

N

NYQ CHEM DIV, S B PENICK & CO, 100 Church St, N Y 8 Cortland 7-1970
Chicago 10, Ill, 735 W Division St Mohawk 4-5651
Nash Chem Co, 800 N W 9 St, Belle Glade, Fla Wyman 6-2582
National Aluminate Corp, 6185 W 66 Pl, Chicago 38, Ill Portsmouth 7-7240
National Aniline Div see Allied Chem Corp
National Biochem Co, 3127 W Lake St, Chicago 12, Ill SA 2-0126
National Carbide Co, 150 E 42 St, N Y 17 Murray Hill 2-6700
NATIONAL CARBON CO, DIV UNION CARBIDE CORP, 30 E 42 St, N Y 17 Murray Hill 7-8000
Atlanta 9, Ga, 1371 Peachtree St, N E Trinity 3-2241
Chicago, Ill, 230 N Michigan Ave Financial 6-3300
Dallas 1, Tex, 1511 Bryan St Riverside 1-9176
Houston 27, Tex, P O Box 22127 Mohawk 7-5641
Kansas City 41, Mo, 910 Baltimore Ave Baltimore 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Pittsburgh 22, Pa, Oliver Bldg, Mellon Sq Express 1-3800
San Francisco 6, Cal, 22 Battery St, Yukon 2-1360

NATIONAL CASEIN CO, 601 W 80 St, Chicago 20, Ill Vincennes 6-7800
Riverton, N J, Broad & Fulton Sts, (National Casein of N J) Talmadge 9-1880
(Tyler) Owentown, Tex, P O Box 904 Triangle 7-3335

National Chem & Plastics Co, 1424 Philpot St, Baltimore 31, Md Peabody 2-1783

National Dairy Products Corp, Chem Dept, see **HumKo-Div**

►NATIONAL GYPSUM CO,
Delaware Ave, Buffalo 2, N Y Cleveland 5880
Cleveland 16, Ohio 20950 Center Ridge Rd Edison 3-2337
Phila 4, Pa, 33 & Arch Sts Evergreen 6-7852
York, Pa, P O Box 1826 5447

National Industrial Products Co Inc (The Keever Starch Co), 538 E Town St, Columbus 15, O. CA 4-4171
Greenville, S C, 118 S Pleasantburg Dr Cedar 5-9634

NATIONAL LEAD CO, 111 Broadway, N Y 6 Rector 2-9400
Atlanta, Ga, 451 Bishop St N W Trinity 6-7361
Boston 6, Mass, 800 Albany St Garrison 7-1000
Chicago 80, Ill, 900 W 18 St Canal 6-3700
Cincinnati 3, Ohio, 659 Freeman Ave Parkway 1-7970
Cleveland 13, Ohio, 1776 Columbus Rd Prospect 1-4060
Dallas 2, Tex, 959 Terminal St Riverside 7-8335
Depew, N Y, 3241 Walden Ave Regent 6842
Detroit 11, Mich, 3501 Griffin St Trinity 4-0488
Los Angeles 23, Cal, 3113 E 26 St Angelus 3-7121
Phila 25, Pa, 2607 E Cumberland St Garfield 6-0600
Pittsburgh 12, Pa, 1376 River Ave Fairfax 1-2335
St Louis 1, Mo, 722 Chestnut St Chestnut 1-8782
San Francisco 10, Cal, 2240 24 St Mission 7-0440
Seattle 4, Wash, 1128 W Spokane St Main 2-1950
See also separate listings by division:
Titanium Alloy Mfg Div

National Polychems, Inc, Eames St, Wilmington, Mass Wells 3-4240
Montgomery, Ala, 212 Bell Bldg Amhurst 5-8234

National Powder Co, Eldred, Pa Canal 5-4701

NATIONAL ROSIN OIL PRODUCTS, INC, Dept 10, 1270 Ave of the Americas, N Y 20 Circle 7-4473

National Starch & Chem Corp, 750 3 Ave, N Y 17 Yukon 6-9500
Atlanta, Ga, 87 Haynes St N W Jackson 5-7761
Boston, Mass, 53 Fargo St Liberty 2-6268
Chicago, Ill, 36 Pl at Washtenaw Lafayette 3-6333
Phila, Pa, 3701 N Broad St Baldwin 6-0900
San Francisco, Cal, 735 Battery St Garfield 1-0200

National-U S Radiator Corp, Plastic Metals Div, 342 Madison Ave, N Y 17 Murray Hill 2-2974
Chicago 12, Ill, 625 N Kedzie Ave Nevada 8-6711
Johnstown, Pa, 221 Central Ave 7-4491
Los Angeles, Cal, 3301 Meaford St Angelus 1-9147

Natural Gas Odorizing, Inc, 7610 Wallisville Rd, Houston 20, Tex Orchard 2-2567

Naugatuck Chem Div, U S Rubber Co, Elm St, Naugatuck, Conn Park 9-5241
Akron, Ohio, 9 Overwood University 4-2145
Boston 6, Mass, P O Box 2116 Dedham 6-6000
Chicago 80, Ill, 4135 S Pulaski Rd Cliffside 4-5700
Gastonia, N C, 214 W Ruby Ave University 4-3411
Los Angeles 22, Cal, 5901 Telegraph Rd, P O Box 6818 Raymond 3-1171
Memphis 7, Tenn, 1480 N Thomas St Jackson 7-2411
N Y 20, 1230 Ave of the Americas Circle 7-5000
Phila, Pa, 5670 Rising Sun Ave Pilgrim 2-7000

NEASE CHEM CO, INC, Lock Haven, Pa 5947

Neatsfoot Oil Refineries Corp, E Ontario & Bath Sts, Phila 34, Pa RE 9-1291
Detroit, Mich, 16160 James Couzens Hwy UN 2-2900

Nelson-Wells & Co, P O Box 348, Red Bluff, Cal Lawrence 7-4625

Nepera Chem Co Inc, Rte 32, Harriman, Orange County, N Y Story 2-8171

NEVILLE CHEM CO, Neville Island, Pittsburgh 25, Pa Federal 1-4200
Anaheim, Cal, 1336 Patt St Keystone 5-7296

New Jersey Zinc Co, 160 Front St, N Y 38 Whitehall 3-5700
Boston 11, Mass, 137 Kneeland St Hubbard 2-1227
Chicago 1, Ill, 221 N LaSalle St Financial 6-1469
Cleveland 14, Ohio, Natl City Bank Bldg Main 1-1101
Los Angeles 58, Cal, 4560 E 50 St Ludlow 2-7311
Oakland 4, Cal, 95 Market St Templebar 6-0741

New Process Metals, 55 Manufacturers Pl, Newark 5, N J Market 4-1380

New York Color & Chem Co, Div American Dyewood Co, 374 Main St, Belleville 9, N J Plymouth 9-7700
NYC: Rector 2-7593
Chicago, Ill, 110 N Franklin St State 2-0327

New York & New Jersey Lubricant Co, 292 Madison Ave, N Y 17 Lexington 2-2851

Niagara Chem Div, Food Machy & Chem Corp, 100 Niagara St, Middleport, N Y Republic 5-3761
Ayer, Mass, P O Box 129 Spruce 2-2365
Greenville, Miss, Box 2875 6601
Harlingen, Tex, Box 1991 Garfield 3-6160
Jacksonville, Fla, Box 1709 Elgin 3-9041
Richmond, Cal, Box 1589 Beacon 4-6363
Wyoming, Ill, Box 416 2571

Nilok Chems, Inc, 2000 College Ave, Niagara Falls, N Y BU 5-0069

Nitrogen Div see **Allied Chem Corp**

NITROGEN PRODUCTS, INC, Natl Bank Bldg, New Brunswick, N J Charter 9-5900
Dayton, N J (Benzol Distributors Div) Charter 9-5900
Dayton, N J (Dayton Fertilizer Corp Div) Davis 9-4011

►NOPCO CHEM CO,
60 Park Pl, Newark 2, N J Humboldt 3-6200
Boston, Mass, 10 High St Hubbard 2-1007
Cedartown, Ga, 701 Wissahickon Ave 230
Chicago 9, Ill, 3625 Jasper Pl Lafayette 3-3371
Harrison, N J, 1 & Essex Sts Humboldt 3-6200
Los Angeles, Cal, 4858 Valley Blvd Capitol 1-3128
N Arlington, N J, 175 Schuyler Ave Kearny 3-3555
Richmond, Cal, 1141 S 14 St Landscape 5-1023
See also separate listings by divisions:
Griffin Chem Co
Metasap Chem Co
Jacques Wolf & Co

North Metal & Chem Co, 609 E King St, York, Pa 5584

Northwestern Chem Co, 120 N Aurora St, P O Box 156, W Chicago, Ill 1180

Norton Chem Works (Stecker Chems, Inc), 45 N Broad St, Ridgewood, N J Gilbert 5-0433

NUODEX PRODUCTS CO, DIV HEYDEN NEWPORT CHEM CORP, Box 242, Elizabeth, N J Bigelow 2-8500

Nyanza Color & Chem Co, Inc, 109 Worth St, N Y 13 Beekman 3-3245
Ashland, Mass Trinity 5-4751
Charlotte 3, N C, 304 E Morehead St Edison 2-0858
Chicago 6, Ill, 549 W Randolph St State 2-6307
Phila 44, Pa, 38 Maplewood Ave Germantown 8-3537
Portland 4, Ore, 115 S W 4 Ave Atwater 4618

Nyotex Chems Div, Stauffer Chem Co, P O Box 9716, Houston 15, Tex Glendale 3-7175

O

Oakite Products, Inc, 19 Rector St, N Y 6 Whitehall 3-0940
Atlanta 3, Ga, 417 Palmer Bldg Murray 8-1995
Chicago 11, Ill, 400 N Michigan Ave Superior 7-8058
Cleveland 14, Ohio, 850 Euclid Ave Cherry 1-0672
Dallas 1, Tex, 1509 Main St Riverside 7-2589
Detroit 2, Mich, 8-237 General Motors Bldg Trinity 5-6330
Hartford 3, Conn, 410 Asylum St Chapel 7-8323
Kansas City 11, Mo, 406 W 34 St Westport 1-6619
Louisville 2, Ky, 4 & Broadway Juniper 7-1321
Los Angeles 12, Cal, 1001 E 1 St Madison 5-1544
Milwaukee 2, Wis, 757 N Broadway Broadway 6-7440
Phila 2, Pa, 42 S 15 St Locust 7-7660
Rochester 4, N Y, 315 Alexander St Baker 5-3377
St Louis 5, Mo, 111 S Bemiston Ave Parkview 5-8200
San Francisco 5, Cal, 681 Market St Yukon 2-6582

Octagon Process, Inc, 25 Archer Ave, Edgewater, N J

Ohio Chem & Surgical Equipment Co, Div Air Reduction Co, Inc, 1400 E Washington Ave, Madison 10, Wis Alpine 6-5421
Arlington, Tex, 401 Watson School Rd Crestview 5-2991
Atlanta, Ga, 736 Hemphill Ave N W Trinity 5-4532
Berkeley 10, Cal, 1231 N 2 St Landscape 5-7090
Birmingham 7, Ala, 2825 N 29 Ave Fairfax 2-2000
Buffalo 5, N Y, 47 Stanton St Washington 6010
Cambridge 39, Mass, 84 Hamilton St Kirkland 7-4734
Charlotte 1, N C, Post & McNinch Sts Franklin 6-3872
Chicago 23, Ill, 3100 S Homan Ave Lafayette 3-6235
Cincinnati 37, Ohio, 1930 Losantiville Ave Jefferson 1-3230
Cleveland, Ohio, 1177 Marquette St N E Henderson 1-4000
Detroit 11, Mich, 6474 Russel St Trinity 2-7751
Emeryville 8, Cal, 1485 Park Ave Olympic 2-4100
Houston 26, Tex, 3616 Cherry St Capitol 5-3382
Jacksonville 3, Fla, Strickland & McDuff Sts Evergreen 4-5131
Kansas City 5, Mo, 1100 Packard St Finley 2-2322
Los Angeles 58, Cal, 2445 E 58 St Logan 8-1431
Louisville 8, Ky, 521 E Woodbine St Melrose 6-3031
Memphis 5, Tenn, 218 Lauderdale St JA 6-7150
Milwaukee 5, Wis, 818 W Winnegabo St Broadway 1-2076
Minneapolis 14, Minn, 2408 S E 4 Ave Federal 5-2427
New Orleans 16, La, 227 N Peters St JA 5-2000
N Y 10, 155 E 23 St Algonquin 4-8220
Phila 21, Pa, 1261 N 30 St Stephenson 2-6686
Pittsburgh 33, Pa, 1116 Ridge Ave N S Fairfax 1-7150
Portland 10, Ore, 2949 N W Front Ave Beacon 4626
Richmond, Va, 1702 Belleville St, P O Box 5127 Elgin 3-3841
Rochester 6, N Y, 190 Lee Rd Glenwood 3-8184
Sacramento 3, Cal, Front & B Sts Gilbert 3-5844
St Louis 2, Mo, 118 Poplar St Main 1-9260
Seattle 4, Wash, 3623 E Marginal Way Seneca 5366
Washington, D C, 2002 Fenwick St N E Lawrence 6-8866

Ohio Lime Co, Woodville, Ohio Vincent 9-2321

Ohio Solvents & Chems Co see **Solvents & Chems Group**

Oil-Kraft, Inc, 3330 Beekman St, Cincinnati 23, Ohio KI 1-2225

Oil & Chem Products, Inc, 295 Madison Ave, N Y 17 Murray Hill 6-0785
Houston, Tex, 1118 First Natl City Bank Bldg Capitol 4-9747
Newark, N J, 150 Doremus Ave Market 3-7576

Old Dutch Mustard Co, Inc, 80 Metropolitan Ave, Bklyn 11, N Y Evergreen 7-9157

OLIN MATHIESON CHEM CORP, CHEMS DIV, Mathieson Bldg, Baltimore 3, Md Plaza 2-8300

INDUSTRIAL CHEMS, Mathieson Bldg, Baltimore 3, Md Plaza 2-8300
Atlanta 16, Ga, 225 Chester Ave S E Murray 8-5916
Buffalo 3, N Y, Rand Bldg Madison 3519
Charlotte 2, N C, Liberty Life Bldg Edison 3-1175
Chicago 11, Ill, 400 N Michigan Ave Superior 7-7143
Cincinnati 2, O, Dixie Terminal Bldg Main 1-1983
Houston 2, Tex, Gulf Bldg Capitol 5-6511
New Orleans 12, La, Natl Bank of Commerce Bldg Tulane 7491
N Y 22, 745 5 Ave Plaza 3-0700
Pasadena 8, Cal, 3848 E Colorado St Bldg Ryan 1-7477
Phila 7, Pa, Phila Natl Bank Bldg Rittenhouse 6-2610
Providence 3, R I, Hospital Trust Bldg Gaspee 1-2070
St Louis 5, Mo, 8000 Bonhomme St Volunteer 3-5300

ORGANIC CHEMS, 745 5 Ave, N Y 22 Plaza 3-0700
Chicago 11, Ill, 400 N Michigan Ave Superior 7-7143
Cincinnati 2, O, Dixie Terminal Bldg Main 1-1983
Houston 2, Tex, Gulf Bldg Capitol 5-6511
Phila 7, Pa, Phila Natl Bank Bldg Rittenhouse 6-2610

Plant Food, P O Box 991, Little Rock, Ark Franklin 6-2471
See also separate listing by division:
Blockson Chem Co

Organics, Inc, 1724 W Greenleaf Ave, Chicago 26, Ill Ambassador 2-3253

►ONYX OIL & CHEM CO,
Warren & Morris Sts, Jersey City 2, N J HE 4-1700
Chicago, Ill, 140 N Dearborn St Andover 3-5470

OPALCO LAB, INC, 20 E Pittsburgh Blvd, McKeesport, Pa North 4-4278
Pittsburgh: Homestead 1-1431

ORONITE CHEM CO, 200 Bush St, San Francisco 20, Cal Sutter 1-6940
Boston 10, Mass, 10 High St Liberty 2-3631
Chicago 6, Ill, 20 N Wacker Dr Central 6-8527
Cincinnati 2, Ohio, 1811 Carew Tower Dunbar 1-3722
Cleveland, O, 1900 Euclid Ave Superior 1-1388
Houston 5, Tex, 2472 Bolsover Rd JA 6-3203
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 7-6322
N Y 20, 30 Rockefeller Plaza Plaza 7-3260
Seattle 4, Wash, 506 2 Ave MA 4-7748
Wilmington 1, Del, 310 Medical Arts Bldg Olympia 4-8812

C J Osborn Co, 1301 W Blancke St, Linden, N J Hunter 6-8040
N Y C: Beekman 3-3994

OTT CHEM CO, 500 Agard Rd, Muskegon, Mich 2-5328

(THE) OTTAWA CHEM CO, 700 N Wheeling St, Toledo 5, O CH 6-1110

Oxy-Catalyst, Inc, Industrial Div, Wayne, Pa Murray 8-3200
Burbank, Cal, 3607 W Magnolia Victoria 9-5303

Ozark-Mahoning Co, 310 W 6 St, Tulsa, Okla Diamond 3-0128

Pabst Brewing Co, 310 Merchandise Mart, Chicago 54, Ill Delaware 7-7900

PACIFIC CARBIDE & ALLOYS CO, 224 Ryan Way, S San Francisco, Cal Delaware 3-3500
Portland 17, Ore, P O Box 5607 Butler 9-1184

Pacific Smelting Co, 22219 S Western Ave, P O Box 85, Torrance, Cal Nevada 6-2556

Pacific Vegetable Oil Corp, 1145 S 10 St, Richmond, Cal Landscape 4-4727
Los Angeles 23, Cal, 3135 E 26 St Angelus 3-6781
N Y 4, 21-24 State St Whitehall 4-1988

(The) Pantasote Co, Eleonora Chem Div, 415 Madison Ave, N Y C Plaza 9-4200
Passaic, N J, Jefferson St Prescott 7-8500

M W PARSONS-PLYMOUTH, INC, 59 Beekman St, N Y 38 Beekman 3-3162

PATENT CHEMS, INC, 335 McLean Blvd, Paterson 4, N J Mulberry 4-1726
Cincinnati 2, O, 2419 Carew Tower Parkway 1-2837
San Marino, Cal, 475 Huntington Dr Pyramid 1-2854

Paul-Lewis Labs, Inc, 4253 N Port Washington Ave, Milwaukee 12, Wis Edgewood 2-3545
Pearless Color Co, Inc, 521 North Ave, Plainfield, N J 7-3600

►**PEERLESS OIL & CHEM CORP,**
38-30 Review Ave, Long Island City 1, N Y Exeter 2-7700
Pendergrast Chem Co, 313 Chester Ave S E, Atlanta 16, Ga Jackson 5-2642
Penetone Co, 74 Hudson Ave, Tenafly, N J Lowell 7-3000
Penick & Ford, Ltd, 750 3 Ave, N Y 17 Yukon 6-4700
Atlanta 18, Ga, 1531 Marietta Blvd, N W Sycamore 4-9521
Cedar Rapids, Iowa Empire 4-7111
San Francisco 11, Calif, 18 California St Garfield 1-2707
S B PENICK & CO, 50 Church St, N Y 8 Cortlandt 7-1970
Chicago 10, Ill, 735 W Division St Mohawk 4-5651
See also separate listing by division:
NYQ Chem Div
Peninsular ChemResearch, Inc, Municipal Airport, P O Box 3597, Gainesville, Fla FR 6-4576
PENNOTEX OIL CORP, Station Rd, P O Box 187, Sparta, N J Parkway 9-7020
PENNSALT CHEMS CORP, 3 Penn Center, Phila 2, Pa Locust 4-4700
Akron 8, Ohio, 106 S Main St Hemlock 4-6163
Appleton, Wis, Irving Zuelke Bldg Regent 3-9307
(Atlanta) Decatur, Ga, 522 N McDonough St Drake 3-6358
Aurora, Ill, 309 Graham Bldg 6-8545
Chicago 4, Ill, 141 W Jackson Blvd Webster 9-2540
Delaware, Ohio, London Rd 2-8651
(Detroit) Wyandotte, Mich, Pennsylvania Rd, Box 209 Dunkirk 6-0300
Los Angeles 11, Cal, 4821 Loma Vista Ave Ludlow 7-6244
N Y 22, 400 Park Ave Plaza 3-7900
(Pittsburgh) Natrona, Pa Academy 4-7700
Portland 8, Ore, 6450 N W Front St Capital 8-7655
Portland, Ore, 1238 N W Glisan St Capital 7-1281
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-8394
Tacoma, Wash, 2901 Taylor Way Market 7-9101
Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa FI 8-9448
PENNSYLVANIA INDUSTRIAL CHEM CORP, 120 State St, Clairton, Pa Belmont 3-8600
Boston, Mass, 31 St James Ave Liberty 2-1975
Chester, Pa, Delaware Ave & Jeffrey St 4-4381
Chicago 4, Ill, 332 S Michigan Ave Wabash 2-8167
Detroit 21, Mich, 18450 Livernois Ave University 3-7300
Jacksonville 7, Fla, Prudential Bldg Exbrook 8-8686
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 7-5201
New Orleans 19, La, 2640 Canal St Tulane 2593
N Y 17, 220 E 42 St Murray Hill 2-9146
Pennsylvania Lacquer Center, 145 N 4 St, Phila 6, Pa Market 7-1781
Pennsylvania Refining Co, Butler 32, Pa 7-2781
Cleveland 4, Ohio, 2686 Lisbon Rd Sweetbriar 5-2400
Edgewater, N J, P O Box 222 Union 4-0600
Penola Oil Co, 15 W 51 St, N Y C Plaza 7-1200
Detroit, Mich, 14300 McNichols Rd W Diamond 1-2910
Chicago 4, Ill, 1720 Borg Warner Bldg, 200 S Michigan Wabash 2-9540
Perkins Glue Co, 632 N Cannon Ave, Lansdale, Pa Ulysses 5-1181
High Point, N C, 1717 Ward St 7971
Shawano, Wis, 218 E Richmond St 1047
W Memphis, Ark, 200 N 5 St Regent 5-3526
(The) Permutit Co, Div Pfaudler Permutit, Inc, 50 W 44 St, N Y 36 Oxford 7-6600
Atlanta 5, Ga, 3131 Maple Dr, N E, Rm 106 Cedar 3-0272
Baton Rouge, La, 4543 North Blvd Dickens 3-5080
Chattanooga 2, Tenn, 517 Hamilton Natl Bank Bldg 6-4544
Chicago 2, Ill, 111 W Washington St State 2-2298-9
Cincinnati 2, Ohio, 617 Vine St Parkway 1-2110
Cleveland 15, Ohio, 1836 Euclid Ave Main 1-2678
Detroit 1, Mich, 2111 Woodward Ave Woodward 2-2689
Greensboro, N C, 431½ Walker Ave Broadway 4-4843
Houston 4, Tex, 4101 San Jacinto St JA 3-1498
Jacksonville 4, Fla, 704 Gilmore St Elgin 3-3725
Kansas City 8, Mo, 2201 Grand Ave Grand 1-5123
(Los Angeles) Glendale 4, Cal, 302B S Brand Blvd Chapman 5-2695-6
Milwaukee 16, Wis, 4003 W Capital Dr Uptown 1-6900
Minneapolis 3, Minn, 1111 Nicollet Ave Federal 5-7855
Needham Hts, Mass, 50 Kearney Rd, P O Box 64 Hillcrest 4-0052
N Y 36, 50 W 44 St Oxford 7-6600
Phila 4, Pa, 101 N 33 St Baring 2-1600
Pittsburgh 22, Pa, 708 Empire Bldg Grant 1-1747
Pittsfield, Mass, 29 Fairfield St Hillcrest 3-6624
Ridgewood, N J, 10 Wilsey Sq Gilbert 5-2030
Rochester 1, P O Box 11 Idlewood 6-2553 Hillside 2169
St Louis 8, Mo, 818 Olive St Main 1-4770
Silver Springs, Md, 8605 Cameron St Juniper 9-3731
D J Peterson Co, P O Box 181, Sheboygan, Wisc Glencourt 8-4126
Peterson Filling & Packaging Co, Hegeler Lane, Danville, Ill 1400
PETROLEUM BY-PRODUCTS & CHEM CO, 15-25 Whitehall St, N Y 4 Bowling Green 9-4991
PETROLEUM SPECIALTIES, INC, 205 E 42 St, N Y 17 OR 9-2310
Petrolite Corp, 369 Marshall Ave, St Louis, Mo Woodland 1-3500
See separate listings by divisions:
Bareco Wax Co Div
Tretolite Co Div
Tretolite Co of Cal Div
PETRO-TEX CHEM CORP, P O Box 2584, 9800 La Porte Rd, Houston, Tex Walnut 6-8871
PFALTZ & BAUER, INC, 350 5 Ave, N Y 1 Chickering 4-6485
PFANSTIEHL LABS, INC, 102 Lake View Ave, Waukegan, Ill Majestic 3-0370
Geo Pfau's Sons Co, Inc, 9 & Wall Sts, Jeffersonville, Ind Butler 3-6697
Pfister Chem Works, Inc, Linden Ave, Ridgefield, N J Whitney 5-5400
CHAS PFIZER & CO, INC, 630 Flushing Ave, Bklyn 6, N Y EV 8-3800
Atlanta 2, Ga, 1151 Chattahoochee Ave
Chicago 35, Ill, 6460 W Cortland St
Dallas 35, Tex, 7600 Ambassador Row
San Francisco 3, Cal, 1500 16 St
Vernon 58, Cal, 4814 Loma Vista Ave
See also separate listing by division:
Morton-Withers Chem Co
PHELPS DODGE REFINING CORP, 300 Park Ave, N Y 22 Plaza 1-3200
Chicago 38, Ill, 5310 W 66 St Portsmouth 7-2117

►**PHILADELPHIA QUARTZ CO,**
1168 Public Ledger Bldg, Phila 6, Pa Market 7-7200
Chicago 6 Ill, 205 W Wacker Dr State 2-7734
Philadelphia Quartz Co of Cal, Subs of Philadelphia Quartz Co, 7 & Grayson Sts, Berkeley 10, Cal Thornwall 5-1048
WILLIAM E PHILLIPS, INC, 435 N Michigan Ave, Chicago 11, Ill Superior 7-9611
Phillips Chem Co, 7 Fl, Adams Bldg, Bartlesville, Okla Federal 6600
Akron 8, Ohio, 318 Water St Franklin 6-4126
Amarillo, Tex, First Natl Bank Bldg Drake 4-0311
Atlanta 5, Ga, 1428 W Peachtree St Trinity 5-7021
Chicago 3, Ill, 7 S Dearborn Andover 3-3472
Denver 20, Col, 1375 Kearney St Florida 5-7301
Des Moines 8, Iowa, Hubbell Bldg 3-3291
Elmhurst, Ill, 111 S York St Terrace 4-6600
E Providence 14, R I, 322 Waterman Ave Geneva 4-7600
Ft Lauderdale, Fla, 17 St Causeway Jackson 4-8486
Houston, Tex, 6910 Fannin St Jackson 6-2466
Indianapolis, Ind, 3839 Meadows Dr Liberty 7-9661
Kansas City, Mo, Box 103, 201 E Armour Blvd Plaza 3-6600
Memphis, Tenn, 4827 Marlin St Mutual 5-0954
Minneapolis 2, Minn, 212 S 6 St Federal 2-7461
N Y 5, 80 Broadway Digby 4-3480
Omaha, Neb, 3212 Dodge St Jackson 5911
Pasadena 1, Cal, 317 N Lake Ave Ryan 1-6997
Raleigh, N C, 401 Oberlin Rd Temple 4-8261
St Louis 8, Mo, 4251 Lindell Blvd Jefferson 1-6677
Salt Lake City, Utah, 88 S Main St Davis 2-5661
Spokane 10, Wash, 521 E Sprague Ave Madison 4-9251
Tampa 9, Fla, 3737 Neptune 8-2141
Trenton, N J, 2595 E State St Juniper 7-3477
Tulsa 14, Okla, 1708 Utica Sq Riverside 7-7561
Wichita 2, Kans, 209 E William Hobart 4-6301
Phillips & Jacobs, Inc, 618 Race St, Phila 6, Pa WA 2-3655
Baltimore 30, Md, 119 E York St Plaza 2-1537
Pittsburgh 19, Pa, 419 Blvd of Allies Atlantic 1-0833
PHILLIPS PETROLEUM CO, SPECIAL PRODUCTS DIV, Bartlesville, Okla FE 6-6600
Pierce Chem Co, P O Box 117, Rockford, Ill WO 5-8013
Pierce & Stevens Chem Corp, 710 Ohio St, Buffalo 3, N Y Mohawk 4910
Pilot California Co, 215 W 7 St, Los Angeles 14, Cal MA 7-0166
Chicago, Ill, Southport Ave PL 2-3662
Pilot Chems Inc, 36 Pleasant St, Watertown 72, Mass WA 4-7775
Pilot Engrg Co, P O Box 54, Bklyn 5, N Y
Pioneers, Inc, 2812 Havenscourt Blvd, Oakland 5, Calif LO 2-6411
Pitt-Consul Chem Co, 191 Doremus Ave, Newark 5, N J Market 3-3800
Pittsburgh 19, Pa, Koppers Bldg Atlantic 1-8700
PITTSBURGH COKE & CHEM CO, 2000 Grant Bldg, Grant St, Pittsburgh 19, Pa Atlantic 1-2290
(Chicago) Summit, Ill, 7750 W 61 Pl Chicago: Ludlow 2-2650
Glendale 5, Cal, 223 E Broadway Chapman 5-1228
Houston 19, Tex, 3115 Buffalo Dr Jackson 3-8351
Plastics & Coal Chems Div see Allied Chem Corp
Plastics Engrg Co, 1607 Geele Ave, Sheboygan, Wisc Glencourt 8-2121
Pluess-Staufer (North American) Inc, 82 Beaver St, N Y 5 Whitehall 4-5341
POLAK & SCHWARZ, DIV INTERNATIONAL FLAVORS & FRAGRANCES, INC, 667 Washington St, N Y 14 Watkins 4-5570
Chicago 39, Ill, 537 W Diversey Ave Merrimac 7-1500
Culver City, Cal, 3573 Hayden Ave Texas 0-4781
Teterboro, N J, 100 Green St Atlas 8-1685
Polak's Frutal Works, Inc, 33 Sprague Ave, Middletown, N Y Diamond 2-1065
Chicago 10, Ill, 800 N Clark St Delaware 7-6699
Los Angeles, Cal, 4408 W Jefferson Blvd Republic 1-4173
San Francisco, Cal, 656 Townsend St Market 1-7044
Polarome Mfg Co Inc, 73 Sullivan St, N Y 12 WO 6-3077
Polychemical Labs, Inc, 494 Hunts Point Ave, N Y 59 Turnbull 7-0333
Polyvinyl Chems, Inc, 26 Howley St, Peabody, Mass Jefferson 1-0371
I Pomeroy Co, 26 Nicholson St, Newark 2, N J Market 2-0402
Port Huron Detergent Co, Inc, 1320 2 St, Port Huron, Mich Yukon 5-7525
Potash Co of America, 1625 Eye St N W, Washington 6, D C Sterling 3-4990
Atlanta 3, Ga, 409 Candler Bldg Murry 8-8870
Peoria 2, Ill, 517 First Natl Bank Bldg 6-7639
Potter Paint Co, Inc, 21 Crawford St, Cortland, N Y Skyline 6-9924
Cambridge City, Ind, S Green St 3-7751
Poughkeepsie Dyestuff Corp, 77 N Water St, Poughkeepsie, N Y Globe 2-3740
Precision Chem Corp, 407 Sansome St, San Francisco, Cal Sutter 1-1988
Premier Peat Moss Corp, 535 5 Ave, N Y 17 Murray Hill 2-8586
Prentiss Drug & Chem Co, Inc, 101 W 31 St, N Y 1 PE 6-6766
Chicago 6, Ill, 9 S Clinton St Franklin 2-1094
PRINCE MFG CO, 102 Lincoln Ave, Bowmanstown, Pa Palmerton 2345
Chicago 26, Ill, 6349 N Clark St Rogers Park 4-9500
Phila 4, Pa, 101 N 33 St Evergreen 6-3446
PRIOR CHEM CORP, 420 Lexington Ave, N Y 17 Lexington 2-9811
Process Chems Co, 8733 S Dice Rd, Santa Fe Springs, Cal Raymond 3-8386
Process Chem Specialties, 6 Newbury St, Beverly, Mass Walker 2-7789
Procter & Gamble Co, 6 & Sycamore Sts, Cincinnati 1, Ohio Garfield 1-3100
PRODUCTOL CO, 417 S Hill St, Los Angeles 13, Cal Madison 8-4397
Protean Chem Corp, 150 Nassau St, N Y 38 Beekman 3-7574
Pruett-Schaffer Chem Co, Tabor St, Pittsburgh 4, Pa Spalding 1-2000
Prufcoat Labs Inc, 63 Main St, Cambridge 42, Mass Eliot 4-0200
N Y 17, 50 E 42 St
PUBLICKER INDUSTRIES, INC, 1429 Walnut St, Phila 2, Pa Locust 4-1400
Chicago, Ill, 205 W Wacker Dr Randolph 6-6678
Natick, Mass, 8 Digren Rd Olympic 3-5310
N Y 1, 350 5 Ave Oxford 5-4160
Puget Sound Pulp & Timber Co, 300 Laurel St, Bellingham, Wash Regent 3-4411
PURE CARBONIC CO, DIV AIR REDUCTION CO, INC, 150 E 42 St, N Y 17 MU 2-6700
Atlanta 2, Ga, 680 Hamilton Ave S E
Berkeley 4, Cal, 2020 Milvia St
Chicago 4, Ill, 141 W Jackson Blvd
Cleveland 11, Ohio, 4510 W 160 St
Kansas City 8, Mo, 2201 Grand Ave
Los Angeles 58, Calif, 4848 Long Beach Ave
New Orleans 21, La, 240 St George Ave
Newark 12, N J, 39 McClellan St
Phila 43, Pa, 47 & Woodland
Pyroxylin Products, Inc, 4851 S St Louis Ave, Chicago 32, Ill VI 7-4800
Paoli, Pa, Russell Rd 4141

Q

►**QUAKER OATS CO, CHEMS DIV,**
Merchandise Mart Plaza, Chicago 54, Ill Whitehall 4-0600
Cleveland 14, Ohio, 815 Superior Ave Superior 1-2828
N Y 5, 120 Wall St Whitehall 4-0400
Portland 14, Ore, 48 S E Hawthorne Blvd Belmont 2-6141
Quicksilver Products, Inc, 407 Sansome St, San Francisco, Cal Sutter 1-1988
Los Angeles 32, Cal, 5404 Alhambra Ave Capitol 5-2395
Quigley Co, Inc, 415 Madison Ave, N Y 17 Eldorado 5-6318

R

R & A Leather Finish Co, Inc, 812 E 43 St, Bklyn 10, N Y Ulster 9-2800
RITA CHEM CORP, 612 N Michigan Ave, Chicago 11, Ill SU 7-0051
R S A CORP, 690 Saw Mill River Rd, Ardsley, N Y Owens 3-1818
Raffi & Swanson, Inc, 100 Eames St, Wilmington, Mass Wells 3-4200
Rand Chem Co, 9884 E Rush St, S El Monte, Cal Cumberland 3-3248
Rare Metal Products Co, Atglen, Pa Lyric 3-5119
Raybestos-Manhattan, Inc, P O Box 1021, Bridgeport 2, Conn Edison 7-3341
Raybo Chem Co, 514 Jackson Ave, P O Box 1905, Huntington, W Va Jackson 9-4946
Rayonier, Inc, 161 E 42 St, N Y 17 Murray Hill 7-7880

Reade Mfg Co, Inc, 135 Hoboken Ave, Jersey City 2, N J Oldfield 3-3012
REFINED PRODUCTS CORP, 624 Schuyler Ave, Lyndhurst, N J Geneva 8-7520
Regal Chem Corp, 115 Dobbin St, Bklyn, N Y Evergreen 9-8727
Reheis, Inc, 235 Snyder Ave, Berkley Hts, N J CR 3-3600

►REICHHOLD CHEMS, INC,
525 N Broadway, White Plains, N Y 8-6200
Appleton, Wis, 424 E Lindbergh St Regent 3-3980
(Boston) Ballardvale, Mass, P O Box 158 Andover: Greenleaf 5-6600
Bklyn 11, N Y, 105 Bedford Ave Evergreen 8-4640
Charlotte 3, N C, P O Box 3715 Jackson 3-4114
(Chicago) Argo, Ill, 7738 W 61 Pl, P O Box 446 Reliance 5-4400
Cleveland 13, Ohio, 1901 Terminal Tower Bldg Prospect 1-7399
Dallas 7, Tex, 4909 Reading St, Fleetwood 1-6283
Detroit 20, Mich, 601-707 Woodward Hts Blvd Jordan 4-6500
Elizabeth 2, N J, 726 Rockefeller St 3-6600
Houston 15, Tex, 1503 Haden Rd Glendale 3-5431
Jacksonville 5, Fla, W Beaver St, P O Box 6427 Evergreen 9-8831
Kansas City 15, Kans, 3150 Fiberglas Rd Mayfair 1-4900
(Los Angeles) Azusa, Cal, 237 Motor Ave Cumberland 3-4123
Louisville 7, Ky, 317 Wallace St Twinbrook 5-5253
Martinsville, Va, P O Box 1427 Mercury 2-4797
Miami Springs, Fla, 4471 N W 36 St Tuxedo 7-9475
Milwaukee 8, Wis, 1409 N 27 St West 3-1550
New Orleans 12, La, 235 Internatl Trade Mart Jackson 5-6695
Phila 39, Pa, 128 Walnut Park Plaza, 63 & Walnut Sts Granite 4-7893
Pittsburgh 22, Pa, Henry W Oliver Bldg Grant 1-6645
St Louis 5, Mo, 7730 Carondelet Ave Parkview 6-2929
Seattle 24, Wash, P O Box 3547 Parkway 3-6300
S San Francisco, Cal, P O Box 791, Linden Ave Plaza 5-9392
Syracuse 2, N Y, 472 S Salina St Granite 1-4149
Tacoma, Wash, P O Box 1482, 3320 Lincoln Ave Fulton 3-5416
Tuscaloosa, Ala Plaza 2-2551
REILLY TAR & CHEM CORP, 11 S Meridian St, 1615 Merchants Bank Bldg, Indianapolis 4, Ind Melrose 8-7531
Chattanooga, Tenn, 4900 Central Ave Taylor 1-4561
Chicago 8, Ill, 2513 S Damen Ave Virginia 7-7800
Cleveland 22, Ohio, 20106 Kinsman Rd Skyline 1-8484
Dallas 1, Tex, 1209 Natl Bldg Riverside 2-8337
Fairmont, W Va, Hoult Rd 762
Granite City, Ill, 19 & Edwardsville Rd Glenview 2-3141
Houston, Tex, 4101 San Jacinto Jackson 8-1368
Los Angeles 17, Cal, 816 W 5 St Mutual 0433
(Minneapolis) St Louis Pk, Minn, 7200 Walker St West 9-7851
N Y 36, 500 5 Ave, Rm 1740 Pennsylvania 6-9027
Phila 31, Pa, 840 N 65 St Trinity 7-8982
Provo, Utah Franklin 3-5670
Renton, Wash, 7841 Lake Washington Blvd Alpine 5-3737
Tuckahoe, N Y, 42 Oak St, Rm 4 Woodbine 1-8600
Tulsa 3, Okla, 6 & Boston Aves Luther 5-1322
Reilly-Whiteman-Walton Co, Washington & Righter Sts, Conshohocken, Pa Taylor 8-3800
Chicago 22, Ill, 1030 W North Ave Del 7-0008
Dearborn, Mich, 7008 Kingsbury Logan 3-2889
Reading, Mass, 10 Pine Ridge Rd Jefferson 1-0533
Mt Carmel, Conn, 339 Still Hill Rd Chestnut 8-1281
Renite Co, P O Box 8065, Columbus 1, Ohio Axminster 4-4709
REPUBLIC CHEM CORP, 94 Beekman St, N Y 38 Rector 2-9810
Research Chems, Div Nuclear Corp of America, 170 W Providencia, Burbank, Cal Victoria 9-1648
REVELLI CHEMS, INC, 15 W 44 St, N Y 36 OX 7-7486
Rex Oil & Chem Co, 9120 Loren Ave, Cleveland 5, Ohio Diamond 1-1500
Reynolds Chem Products Co, 435 W 8 Mile Rd, Whitemore Lake, Mich Hickory 9-9361
Chicago 14, Ill, N Park Hotel, 1931 Lincoln Pk W Mohawk 4-3200
N Y 21, 60 Wall St Wisconsin 7-5681

►REYNOLDS METALS CO,
6601 W Broad St, Richmond, Va AT 2-2311
Camden 1, N J, 518 Market St Woodlawn 4-9505
Chicago 11, Ill, 1200 Wrigley Bldg Whitehall 4-2200
Detroit 2, Mich, 1500 Fisher Bldg Trinity 2-8300
Los Angeles 5, Cal, 3440 Wilshire Blvd Dunkirk 1-3511
N Y 17, 19 E 47 St Eldorado 5-7700
St Louis 1, Mo, 1134 Locust St Garfield 1-5258
Rhode Island Labs, Inc, 100 Pulaski St, W Warwick, R I Valley 1-2900
Rhodia, Inc, 60 E 56 St, N Y 22 Plaza 3-4850
Chicago 10, Ill, 100 W Chicago Ave Michigan 2-3828
Pasadena 1, Cal, 15 N Euclid Ave Ryan 1-0172
G Whitfield Richards, 1732-36 Carlton St, Phila 3, Pa Locust 7-7453
RICHES-NELSON, INC, 342 Madison Ave, N Y 17 Murray Hill 7-7267
Richmond Mica Corp, 912 Jefferson Ave, Newport News, Va Chestnut 4-7311
Chicago 39, Ill, 1608 N Meade Ave Berkshire 7-7373
N Y 13, 271 Church St Worth 6-4550
Rocky River, O, 19115 Detroit Rd Edison 1-4433
Riverside Chem Co, Inc, 871-941 River Rd, N Tonawanda, N Y Jackson 1350
ROBECO CHEMS, INC, 25 E 26 St, N Y 10 Murray Hill 3-7500
Roberts Chems, Inc, P O Box 446, Nitro, W Va Pleasant 5-3336
G S Robins & Co, 126 Chouteau Ave, St Louis 2, Mo Main 1-5155
Robinson Wagner Co, Inc, 628 Waverly Ave, Mamaroneck, N Y Owens 8-8550
Chicago 6, Ill, 549 W Washington Blvd Randolph 6-1565
Los Angeles 43, Cal, 4710 Crenshaw Blvd Axminster 2-7810
Rogers Isinglass & Glue Co, 210 Eastern Ave, Gloucester, Mass 1182

►ROHM & HAAS CO,
Washington Sq, Phila 5, Pa Walnut 5-9860
Atlanta 9, Ga, 1430 W Peachtree St N W Trinity 5-7808
(Boston 81) Wellesley Hills, Mass, 13 Eaton Ct Cedar 5-7134
Charlotte, N C, 302 Lawton Rd Express 9-9706
(Chicago 31) Niles, Ill, 5750 W Jarvis Rodney 3-7000
Cleveland 13, Ohio, 2012 W 25 St Prospect 1-3588
Dallas 1, Tex, 209 Browder St Riverside 7-6369
Dayton 2, Ohio, 333 W 1 St Baldwin 3-8513
Denver, Colo, 4380 Wadsworth Blvd, Wheat Ridge
Detroit 35, Mich, 20211 Greenfield Rd Broadway 3-0674
E Paterson, N J, 465 Boulevard Swarthmore 6-6208
Ft Lauderdale, Fla, 233 S E 12 Ave
Gloversville, N Y, 349 N Main St 5-5117
Kansas City 5, Mo, 1009 Baltimore Ave Victor 2-6850
Leroy, N Y, P O Box 276, 4 W Main St 976
Los Angeles 36, Cal, 5657 Wilshire Blvd Webster 1-1491
Louisville, Ky, 310 W Liberty St Juniper 7-6679
Memphis, Tenn, 137 E Calhoun St Jackson 5-3787
Minneapolis 6, Minn, 3418 E Lake St
N Y 1, 350 5 Ave Longacre 3-4155
Pasadena, Tex, P O Box 672
Peabody, Mass, 29 Lowell St Jefferson 1-3145
Portland 5, Ore, American Bank Bldg Capitol 8-5660
Providence 3, R I, 1226 Industrial Bank Bldg Gaspee 1-9307
San Francisco 8, Cal, 600 California St Douglas 2-6664
St Louis 17, Mo, 1110 S Brentwood Blvd Parkview 7-7172
Seattle 4, Wash, 444 Dexter Horton Bldg
RONA LABS, INC, E 21 & 22 Sts, Bayonne 14, N J Hemlock 7-0800
Rosco Labs, Inc, 29 Moore St, Brooklyn 6, N Y EV 8-8400
Roselle Labs, Inc, 459 E 1 Ave, P O Box 153
Roselle, N J Chestnut 1-0122
Los Angeles 48, Cal, 8417 Beverly Blvd Webster 3-9241
Frank B Ross Co, Inc, 6-10 Ash St, Jersey City 4, N J Henderson 3-4512
H P ROSSIGER & CO, INC, 55 Van Dam St, N Y 13 AL 5-2292
Spokane 1, Wash, W 1133 College Ave Empire 5588
ROUSSEL CORP, 155 E 44 St, N Y 17 Oxford 7-5820
Rowe Products, Inc, Box 618, Niagara Falls, N Y BU 9-9348
Royce Chem Co, Carlton Ave, Carlton Hill, N J GE 8-5200
Rubba, Inc, 1015 E 173 St, N Y 60 Kilpatrick 2-4661
Rubber Corp of America, New South Rd, Hicksville, N Y Wells 1-8100
Boston 16, Mass, 666 Summer St Liberty 2-6765
Chicago 3, Ill, 111 W Monroe St Central 6-8663
Rubber & Asbestos Corp, 225 Belleville Ave, Bloomfield, N J Pilgrim 8-1300
N Y C: Cortlandt 7-8152
Rufert Chem Co, 420 Lexington Ave, N Y 17 Murray Hill 6-3600
RUMFORD CHEM WORKS, Newman Ave, Rumford 16, R I Geneva 4-2400
Rust-Oleum Corp, 2425 Oakton St, Evanston, Ill Briargate 4-4090

S

S & S Soap Co, 815 E 135 St, N Y 54 Ludlow 5-2900
St Joseph Lead Co, 250 Park Ave, N Y 17 Yukon 6-7474
(Pittsburgh) Monaca 7, Pa Spruce 4-1020
L A SALOMON & BRO, INC, 216 Pearl St, N Y 38 WH 3-0817
J A Samuel & Co, Inc, 165 Broadway, N Y 6 Cortlandt 7-4567
Sandoz, Inc, 61 Van Dam St, N Y 13 AL 5-1700
Charlotte 5, N C, 4000 Monroe Rd Edison 3-7514
Cincinnati 26, Ohio, 3712 Beechmont Ave East 1-1335
Fairlawn, N J, Fairlawn Ave & 3 St 6-2800
Hudson, Mass, 312 Main St 1260
Los Angeles 13, Cal, 467 E 3 St Madison 8-1158
Phila 34, Pa, 2215 E Tioga St Pioneer 3-4040
Pharmaceutical Div, Rte 10, East Hanover, N J
San Joaquin Chems, Inc, 340 Fusco Ave, Modesto, Cal LA 2-5181
Sapon Labs, 101 E Hawthorne Ave, Valley Stream, N Y Locust 1-2026
SARTOMER RESINS, INC, 32 & Spring Garden Sts, Phila 4, Pa Evergreen 6-2627
Sauereisen Cements Co, 1045 N Canal St, Pittsburgh 15, Pa Sterling 1-2323
Schenectady Varnish Co, Inc, Congress St & 9 Ave, Schenectady 3, N Y Dickens 6-2354
Scher Bros, Industrial W, Cliffton, N J Gregory 1-1300
R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich WA 1-3240
Los Angeles 49, Cal BR 2-7405
Newark 2, N J MA 2-5572
Schimmel & Co, Inc, 601 W 26th St, N Y 1 Watkins 4-1393
SCHOLLE CHEM CORP, 200 W North Ave, Northlake, Ill Fillmore 3-7290
Scholler Bros, Inc, Collins & Westmoreland Sts, Phila 34, Pa Regent 9-0900
Schuylkill Chem Co, 2346 W Sedgley Ave, Phila 32, Pa Baldwin 9-4822
Schwarz Labs, Inc, 230 Washington St, Mt Vernon, N Y MO 4-1100
Scientific Oil Compounding Co, 1637 S Kilbourn Ave, Chicago 23, Ill LA 1-7000
N Y 68, Box 76, Jerome Ave Stn, Bronx Wellington 3-0110
Seaboard Chems, Inc, 3030 Foster St, Salem, Mass Pioneer 5-1915
Semet-Solvay Petrochem Div see Allied Chem Corp
E M SERGEANT PULP & CHEM CO, INC, 7 Dey St, N Y 7 Worth 2-4340
Newark 5, N J, 120 Lister Ave Market 2-5346
SESSIONS-GIFFORD CO, INC, 255 Allens Ave, Providence, R I Hopkins 1-0770
Sethness Products Co, 444 Lake Shore Dr, Chicago 10, Ill WH 4-4755
Long Island City 1, N Y, 41-15 29 St ST 6-1634
Shamokin Filler Co, Inc, S 5 St, Box 272, Shamokin, Pa 8-8841
Shanco Plastics & Chems, Inc, 2716 Kenmore Ave, Tonawanda, N Y Buffalo: Bedford 0383
Bklyn, N Y, 38 Franklin St Evergreen 9-3480
Phila, Pa, 1505 Race St Rittenhouse 6-3875
S W Shattuck Chem Co, 1805 S Bannock St, Denver 23, Col Race 2-2849
Shawinigan Products Corp, 350 5 Ave, N Y 1 Oxford 5-4155
SHAWINIGAN RESINS CORP, 644 Monsanto Ave, Springfield 1, Mass State 8-9681
Atlanta, Ga, P O Box 11536 Trinity 6-8143
Chicago 1, Ill, 130 E Randolph Dr Whitehall 4-3929
Los Angeles 17, Cal, 1052 W 6 St Madison 4-3767
N Y 16, 22 E 40 St Murray Hill 3-1722
San Francisco 8, Cal, 210 Post St Sutter 1-4564
SHEFFIELD CHEM, DIV NATIONAL DAIRY PRODUCTS CORP, P O Box 630, Norwich, N Y 4-3281
Shell Chem Corp, 50 W 50 St, N Y 20 Judson 6-5000
Atlanta 3, Ga, 55 Marietta St N W Jackson 5-7621
Chicago 5, Ill, 624 S Michigan Ave Harrison 7-7292
Cleveland 14, Ohio, 1296 Union Commerce Bldg Tower 1-8096
Detroit 26, Mich, 154 Bagley Ave Woodward 1-4266
Houston 1, Tex, P O Box 2099 Capitol 2-1181
Los Angeles 54, Cal, 1008 W 6 St Madison 5-7341
Newark 2, N J, 10 Commerce Court Mitchell 3-1100
N Y 17, 415 Madison Ave Oxford 7-3311
San Francisco 6, Cal, 100 Bush St Exbrook 2-5400
Shell Oil Co, 50 W 50 St, N Y 20 JU 6-5000
Albany 8, N Y, 1066 Madison Ave Albany 8-3511
Atlanta 3, Ga, 55 Marietta St, N W Jackson 3-6632
Baltimore 4, Md, 200 E Joppa Rd Valley 5-5600
Boston 16, Mass, 441 Stuart St Kenmore 6-1400
Chicago 5, Ill, 624 S Michigan Ave Harrison 7-3080
Cleveland 1, Ohio, 1000 Illuminating Bldg, 55 Public Sq Prospect 1-4466
Detroit 26, Mich, 154 Bagley Ave Woodward 1-1181
Indianapolis 4, Ind, 450 N Meridian St Melrose 5-8321
Los Angeles 54, Cal, 1008 W 6 St Madison 5-7341
Minneapolis 3, Minn, 100 N 7 St Federal 5-6711
New Orleans 12, La, 925 Common St Express 1331
(NYC) Flushing 55, N Y, 41-70 Main St Hickory 5-4000
Portland 5, Ore, 1220 S W Morrison St Capitol 8-7321
Sacramento 14, Cal, 1024 13 St Gilbert 3-9061
St Louis 66, Mo, P O Drawer 522 Volunteer 3-0800
San Francisco 6, Cal, 100 Bush St Exbrook 2-5400
Seattle 11, Wash, 1219 Westlake Ave N Atwater 2-4950
SHEPHERD CHEM CO, 2803 Highland Ave, (Norwood) Cincinnati 12, Ohio Redwood 1-1110
Chicago 31, Ill, 6677 Northwest Hwy Newcastle 1-1060
N Y 38, 150 Nassau St Worth 2-7887
SHERWIN-WILLIAMS CO, COLOR & CHEM, 260 Madison Ave, N Y 16 Lexington 2-5806
Boston 16, Mass, 30 Huntington Ave Copley 7-5450
Chicago 1, Ill, 188 W Randolph St Financial 6-0500
Cincinnati 39, Ohio, 1608 W Galbraith Rd Jackson 1-8484
Cleveland 1, Ohio, 101 Prospect Ave Tower 1-7000
Coffeyville, Kan, 1306 W 5 St 4194
Hazel Pk, Mich, 22633 Stephenson Hwy Lincoln 8-6611

(Continued)

Sherwin-Williams Co (continued)
Houston 19, Tex, 1 Briar Dale Court Madison 3-9502
Los Angeles 33, Cal, 363 S Mission Rd Angelus 9-8237
Oakland 8, Cal, 1500 Park Ave Olympic 2-2700
Phila 7, Pa, 325 N Broad St Market 7-3300
St Louis 5, Mo, 559 Skinker Blvd Volunteer 3-6999
Shield Chem Co, 50 Brook Rd, Needham Hts, Mass Hillcrest 4-6120
Shulton, Inc, Fine Chem Div, 630 5 Ave, N Y 20
Chicago 30, Ill, 7225 N Cicero Circle 5-6263
Simpson Labs, Inc, 96 Roanoke Ave, Newark, N J Market 3-6645

►SINCLAIR PETROCHEMS, INC
600 5 Ave, NY 20 Circle 6-3600
Chicago 6, Ill, 155 N Wacker Dr Financial 6-5900
Phila 4, Pa, 4415 Chestnut St Baring 2-3000
SINDAR CORP, 321 W 44 St, N Y 36 Circle 5-0310
Boston, Mass, 140 Federal St Liberty 2-4757
Chicago, Ill, 605 W Washington Blvd Franklin 2-4858
Cincinnati, Ohio, 307 E 4 St Parkway 1-8254
Detroit, Mich, 18228 Mack Ave Tuxedo 2-8405
Los Angeles, Cal, 8750 Alden Dr Bradshaw 2-7047
Phila, Pa, 18 W Chelten Ave Tenn 9-8712
Seattle, Wash, 2603 2 Ave Main 4077
Singa Chem Co, 912 23 Ave, Oakland 6, Cal Kellog 4-9470
E W Smith Chem Co, 15020 E Proctor Ave, La Puente, Cal Edgewood 3-5205
G FREDERICK SMITH CHEM CO, 867 McKinley Ave, P O Box 5906 Sta D, Columbus 22, Ohio CA 4-5343
Werner G Smith, Inc, 1730 Train Ave, Cleveland 13, Ohio Tower 1-3676
Chicago 6, Ill, 400 W Madison Dearborn 2-0661
N Y 7, 4903 Woolworth Bldg Beekman 3-8215
SMITH CHEM & COLOR CO, INC, 55 John St, Bklyn 1, N Y Main 5-0567
SMITH-DOUGLASS CO, INC, P O Box 419, Norfolk, Va UL 5-4711
Smith Lime Flour Co, 444 Trumbull St, Elizabeth, N J 2-4500
IRVING M SOBIN CHEM CO, INC, 68-74 Granite St, Boston 10, Mass Andrew 8-5100
(The) Society of the Plastics Industry Inc, 250 Park Ave, N Y 17 MU 7-2675
Sohio Chem Co, Ft Amanda Rd, P O Box 628, Lima, Ohio Catherine 5-8015
Solar Salt Co, 746 W 8 S, Salt Lake City 4, Utah Elgin 9-0034
SOLE CHEM CORP, 27 E Monroe St, Chicago 3, Ill State 2-9430
Solvay Process Div see Allied Chem Corp
SOLVENTS & CHEMS GROUP, 2540 W Flournoy St, Chicago 12, Ill SE 3-0505
Amsco Solvents & Chems Co, 4619 Reading Rd, Cincinnati 29, O Elmhurst 1-4700
Buffalo Solvents & Chems Corp, Box 73, Sta B, Buffalo 7, N Y Bedford 1572
Central Solvents & Chems Co, 2540 W Flournoy St, Chicago 12, Ill Seeley 3-0505
Dixie Solvents & Chems Co, Dixie Hwy & Appleton Lane, Louisville 16, Ky Emerson 8-5828
Hoosier Solvents & Chems Cop, 1650 Luett Ave, Indianapolis 22, Ind Melrose 8-1361
Hoosier Solvents & Chems Corp, P O Box 147, Ft Wayne 8, Ind Anthony 0213
Missouri Solvents & Chems Co, 419 DeSoto Ave, St Louis 7, Mo Garfield 1-3495
Missouri Solvents & Chems Co, 2522 Nicholson Ave, Kansas City 20, Mo Chestnut 3223
Ohio Solvents & Chems Co, 3470 W 140 St, Cleveland 11, Ohio Clearwater 2-1100
Southern Solvents & Chems Corp, 917 Jefferson Hwy, New Orleans 18, La Vernon 3-4666
Texas Solvents & Chems Co, 8501 Market St, Houston 29, Tex Orchard 2-6683
Texas Solvents & Chems Co, 2500 Vinson St, Dallas 12, Tex Federal 1-5428
Toledo Solvents & Chems Co, 4051 South Ave, Toledo 14, O Jefferson 6-3771
Western Solvents & Chems Co, 6472 Selkirk Ave, Detroit 11, Mich Walnut 1-6350
Wisconsin Solvents & Chems Co, 1719 S 83 St, Milwaukee 4, Wis Greenfield 6-2630
Wolverine Solvents & Chems Co, 2940 Stafford Ave, S W Grand Rapids 8, Mich Cherry 5-9111
Solvit Chem Co, Inc, 3734 Speedway Rd, Madison 5, Wis Cedar 3-1195
L SONNEBORN SONS, INC, 300 4 Ave, N Y 10 Oregon 3-6000
Baltimore 30, Md, 2800 Annapolis Rd Vernon 7-4710
Chicago 6, Ill, 9 S Clinton St Franklin 2-7973
Los Angeles 14, Cal, 704 S Spring St Madison 2-1858
Upper Darby, Pa, 6816 Market St Flanders 2-6316
Southeastern Clay Co, P O Box 1022, Aiken, S C MI 9-7611
Southern Dyestuff Co, Div American-Marietta Co, P O Box 10098, Charlotte 1, N C Edison 3-5336
N Y 17, 521 5 Ave Murray Hill 7-0388
Southern Naval Stores Div, Leach Brothers, Inc, Columbia, Miss Republic 6-2621
Southern Oxygen Co, 2900 52 St, Bladensburg, Md Union 4-2345
Branches in all principal cities
Southern Solvents & Chems Corp see Solvents & Chems Group
Southwestern Agrochem Corp, P O Box 337, Chandler, Ariz Yorktown 3-6674
Southwestern Analytical Chems, 209 Pleasant Valley Rd, Austin 2, Tex Greenwood 6-9379
Special Chems Corp, 100 S Water St, Ossining, N Y Wilson 1-5052
Specialty Chems Div, Reichhold Chems Inc, Rt 4, Box 192-C, Austin, Tex HO 5-0288
Specialty Resins Co, 2801 Lynwood Rd, Lynwood, Cal Nevada 6-2306
Speer Carbon Co see International Graphite & Electrode Div
Special Chems Corp, 100 S Water St, Ossining, N Y Wilson 1-5052
Spencer Chem Co, 10 & Baltimore, Dwight Bldg, Kansas City, Mo Baltimore 1-6600
Atlanta, Ga, 412 Candler Bldg Jackson 4-0418
Chicago 3, Ill, 912 First Natl Bank Bldg Randolph 6-3790
Los Angeles 35, Cal, 1435 S La Cienega Oleander 5-8540
Memphis 3, Tenn, 2158 Union Ave Bldg Broadway 2-0588
N Y 36, 500 5 Ave Lackawanna 4-9714
Stackpole Carbon Co, 1942 Stackpole St, St Marys, Pa TE 4-1521
A E Staley Mfg Co, Decatur, Ill 3-4411
Atlanta 9, Ga, 56 11 St NE Trinity 4-5080
S Boston 27, Mass, 803 Summer St Andrew 8-2060
Chicago, Ill, 4616 W Augusta Blvd Estebrook 8-7030
Cleveland, Ohio, 810 Erieside Main 1-2681
Kansas City 6, Mo, 1236 Board of Trade Bldg Victor 2-6753
N Y 17, 485 Lexington Ave Murray Hill 2-6940
Phila 6, Pa, 3120 Jefferson St Poplar 3-5677
St Louis, Mo, 3615 Olive St Jefferson 1-5488
San Mateo, Cal, 2020 Pioneer Ct Fireside 1-2956
STANDARD BRANDS, INC, 625 Madison Ave, N Y 22 Plaza 9-4400
Chicago 6, Ill, 165 N Canal St
Los Angeles 22, Cal, 2660 S Eastern Ave
Standard Feed & Fertilizer, Inc, 3456 N Buffum St, Milwaukee 12, Wis Edgewood 2-6204
Standard Oil Co (Indiana), 910 S Michigan Ave, Chicago, Ill HA 7-9200
Chicago 6, Ill, 20 N Wacker Dr Andover 3-2345
Des Moines 9, Iowa, Rm 100, Central Life Bldg Cherry 4-6211
Detroit 26, Mich, 321 W Lafayette St Woodward 2-7620
Indianapolis 6, Ind, 1201 E 38 St Walnut 4-4541
Kansas City 41, Mo, 114 E Armour Blvd Logan 1-4140
Milwaukee 16, Wis, 5310 Capitol Dr Hilltop 2-8910
Minneapolis 5, Minn, 2800 Wayzata Blvd Franklin 4-4312
St Louis 24, Mo, 8400 Maryland Ave Volunteer 3-7820
Wm J Stange Co, 342 N Western Ave, Chicago 12, Ill Seeley 3-6945
Oakland 21, Cal, 8140 Baldwin Lockhaven 8-2843
Paterson 4, N J, 207 19 Ave Lambert 5-3626
J U STARKWEATHER CO, INC, 241 Allens Ave, PO Box 1515, Providence, R I Williams 1-0812

►STAUFFER CHEM CO,
380 Madison Ave, N Y 17 Oxford 7-0600
Akron, Ohio, 326 S Main St Portage 2-7423
Chicago 1, Ill, Prudential Plaza Randolph 6-8954
Houston 15, Tex, PO Box 9716 Glendale 3-7179
Los Angeles 17, Cal, 824 Wilshire Blvd Madison 7-5771
N Portland, Ore, Box 68, Suttle Rd Avenue 6-3675
Oakland 12, Cal, 1956 Webster St Templebar 2-4770
Omaha, Neb, PO Box 222, S Omaha Sta Orchard 3200
San Francisco 8, Cal, 636 California St Sutter 1-5350
Tampa, Fla, 2009 Orient Rd, PO Box 5285 4-3127
Weston, Mich Geneva 6-2322
See also separate listings by divisions:
Anderson Chem Co
Consolidated Chem Industries
Nyotex Chems Div
West End Chem Co
K A Steel Chems Inc, 7450 Stony Island Ave, Chicago 49, Ill MU 4-2100
STEIN HALL & CO, INC, 285 Madison Ave, N Y 17 Murray Hill 9-0800
Atlanta 8 Ga, 80 W Peachtree Pl NW Jackson 5-1821
Boston 10, Mass, 80 Federal St Liberty 2-5871
Charlotte 8, N C, 3926 Glenwood Dr Express 2-1341
Cincinnati 2, Ohio, 1609 Carew Tower Main 1-7183
Dallas, Tex, 812 Wilson Bldg Riverside 8-3996
Detroit 2, Mich, 501 Stephenson Bldg Trinity 2-5416
Los Angeles 21, Cal, 1315 E 7 St Tucker 1238
Oakland 12, Cal, 1615 Broadway Templebar 6-4318-9
Phila 3, Pa, 1617 Pennsylvania Blvd Locust 7-7140
Providence 3, R I, 111 Westminister St Jackson 5-1821
St Louis 8, Mo, 4150 Laclede Ave Franklin 1-4600
STEPAN CHEM CO, 427 W Randolph St, Chicago 6 ,Ill State 2-4711
Atlanta, Ga, 693 Humphries St S W Jackson 3-2756
Bloomfield, N J, 2 Broad St Pilgrim 8-3838
Phila, Pa, 681 Fairmount Ave Market 7-0160
Secaucus, N J, County Rd & DL & WRR
Tampa 2, Fla, 1139 Ellamae St 2-4621
Sterol Derivatives, Inc, 3626 Medford St, Los Angeles 63, Cal Angelus 8-0181
Sterwin Chems, Inc, 1450 Broadway, N Y 18 Lackawanna 4-6400
Atlanta 3, Ga, 152 Peters St S W Jackson 3-1626
Buffalo 2, N Y, 70 W Chippewa St Madison 3640
Dallas, Tex, 6627 Maple Ave Dixon 4815
Evanston, Ill, 2020 Greenwood St Davis 8-0220
Kansas City 8, Mo, 1517 Walnut St Victor 2-4500
Los Angeles 19, Cal, 1285 S LaBrea Ave Webster 6-0581
Menlo Park, Cal, 4000 Bayshore Blvd Davenport 4-4721
Minneapolis 6, Minn, 3424 E Lake St Parkway 4-5931
Portland 9, Ore, 935 N W 12 Ave Capitol 2-7271
St Louis 3, Mo, 3401 Chouteau Ave
Stieh Chems, Inc, 20 Vesey St, N Y 7 WO 4-4265
Stiktotin Co, 20 W 22 St, N Y 10 Oregon 5-2790
STONEY-MUELLER, INC, Page & Newark Ave, Lyndhurst, N J Webster 9-7420
Strahl & Pitsch Inc, 120 Wall St, N Y 5 Whitehall 3-1738
Fred'k A Stresen-Reuter, Inc, 400 W Roosevelt Rd, Bensenville, Ill National 5-6323
Sullivan Co, 212 E Trigg Ave, Memphis, Tenn WH 8-8606
Summers Fertilizer Co, Inc, Totman Bldg, 210 E Redwood St, Baltimore 2, Md Saratoga 7-3860
Bangor, Me, 194 Exchange St 7136
Caribou, Me, PO Box 85 3541
Grand Forks, N D, PO Box 545 4-4638
Houlton, Me, P O Box 187 2972
Mars Hill, Me 3711
McKeesport, Pa, P O Box 20 Orchard 2-9671
Searsport, Me Kingswood 8-2525
Sioux Falls, S D, P O Box 465 4-5643
Summit Mining Corp, Bashore Bldg, Carlisle, Pa 2258

Sumner Chem Co Div, Miles Labs, Inc, 6 E 45 St, N Y 17 MU 2-7970

Sun Chem Corp
See separate listings by divisions:
Warwick Chem Co
Warwick Wax Co

►SUN OIL CO,
1608 Walnut St, Phila 3, Pa Kingsley 6-1600
Branches in all principal cities
SunOlin Chem Co, 1608 Walnut St, Phila 3, Pa Kingsley 6-1600
HENRY SUNDHEIMER CO, 103 Park Ave, N Y 17 Murray Hill 5-4214
SunKist Growers Products Dept, 720 E Sunkist St, Ontario, Cal Yukon 6-6691
Superior Zinc Corp, 121 N Broad St, Phila 7, Pa Locust 7-3751
Surfact Co, Inc, Box 114, Blue Island, Ill Fulton 8-7343
Swift & Co, Adhesive Products Dept, 4115 Packers Ave, Chicago 9, Ill Yards 7-4200
Swift & Co, General Soap Dept, U S Yards, Chicago, Ill YA 7-4200
Los Angeles 54, Cal, 2691 E Vernon LU 8-0111
Swift & Co, Technical Products Dept, 1800 165 St, Hammond, Ind Tilden 4-6860
Chicago: Essex 5-6800
Kearny, N J WY 8-7100
Sylvania Electric Products, Inc, Chem & Metallurgical Div, Towanda, Pa AN 5-2121
Burlingame, Cal, 1811 Adrian Rd Oxford 7-3500
Detroit 38, Mich, 7800 Intervale Ave Webster 3-8765
Indianapolis 5, Ind, 3921 N Rural St Liberty 6-914
Melrose Park, Ill, 2001 N Cornell Ave Fillmore 5-0100
Phila 31, Pa, 4700 Parkside Ave Greenwood 7-500u
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Lehigh 1-4975
Teterboro, N J, 1000 Huyler St Atlas 8-9484
Woburn, Mass, 100 Sylvan Rd 2-3500
Synco Resins, Inc, 32 Henry St, Bethel, Conn Danbury: Pioneer 8-5678
SYNTHETIC CHEMS, INC, 335 McLean Blvd, Paterson 4, N J Mulberry 4-1726
Cincinnati 2,0, 2419 Carew Tower Parkway 1-2837
San Marino, Cal, 475 Huntington Dr Pyramid 1-2854
Synvar Corp, 726 King St, Wilmington 99, Del OL 6-4471

T

Takamine Lab, Div Miles Labs, Inc, 193 Arlington Ave, Clifton, N J Prescott 9-4776
Tamms Industries Co, 228 N LaSalle St, Chicago 1, Ill Franklin 2-2570
Tanatex Chem Corp, Belleville Turnpike, Kearny, N J Wyman 3-0732
TAR RESIDUALS, INC, 420 Lexington Ave, N Y 17 Lexington 2-9164
Techniservice, Box 1226 G P O, N Y 1 BO 3-9888

►TENNESSEE CORP, 619 Grant Bldg, Atlanta 1, Ga Jackson 3-5024
Tennessee Products & Chem Corp, 2613 West End Ave Nashville, Tenn Cypress 1-1900
Chicago, Ill, 332 S Michigan Ave Wabash 2-0709
NYC, 261 Madison Ave Oxford 7-7194
Pittsburgh, Pa, 2210 Oliver Bldg Court 1-5575
TEXAS BUTADIENE & CHEM CORP, 529 5 Ave, N Y C
Houston 2, Tex, 440 Bank of SW Bldg Capitol 7-3253

The Texas Co, 135 E 42 St, N Y C 17 OX 7-8000
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-1920
Texas Gulf Sulphur Co, Inc, 75 E 45 St, N Y 17 Murray Hill 6-6470
Texas Solvents & Chems Co see Solvents & Chems Group

►**TEXAS-US CHEM CO,**
260 Madison Ave, N Y 16 MU 9-3322
Textile Proofers, Inc, 181-193 Culver Ave, Jersey City 5, N J Henderson 3-6183

►**THIOKOL CHEM CORP, CHEM DIV,**
780 N Clinton Ave, Trenton 7, N J Export 6-4001
Los Angeles, Cal, 1709 W 8 St Hubbard 3-6875
(The) Thomas Alabama Kaolin Co, 2412 Ken Oak Rd, Baltimore 9, Md LI 2-1763
Thomasset Colors, Inc, 120 Lister Ave, Newark 5, N J Market 3-5283
Thompson Chem Co, 90 Mendon Ave, Pawtucket, R I 5-3700
Thompson Chems Corp, 3028 Locust St, St Louis 3, Mo Jefferson 5-6608
Los Angeles 27, Cal, 3600 Monon St Normandy 2-2147
H I Thompson Fiber Glass Co, 1733 Cordova St, Los Angeles 7, Cal Republic 3-9161
Baltimore, Md, 6659 Loch Hill Rd Valley 5-3135
Cheshire, Conn, 38 Crescent Circle Browning 2-6544
Ft Worth, Tex, 2850A W Berry, Rm 7 Walnut 4-8679
THOMPSON-HAYWARD CHEM CO, 27 Greystone, Kansas City 8, Mo Talbot 2-2473
Chicago 9, Ill, 2745 W 31 St Atlantic 5-5556
Dallas 1, Tex, 2627 Weir St Federal 1-6521
Davenport, Iowa, Ft of Howell St 2-0115
Denver 4, Col, 1501 W 13 Ave Keystone 4-1281
Des Moines 15, Iowa, S W 1 & Granger Cherry 3-8151
Houston 13, Tex, 1701 Oliver Capitol 4-2668
Little Rock, Ark, 3100 W 65 Locust 5-2355
Lubbock, Tex, P O Box 323 Porter 3-2831
Memphis 5, Tenn, 493 N Front St Jackson 5-7561
Minneapolis 15, Minn, 909 2 St S Federal 2-5394
New Orleans 18, La, 7700 Earhart Blvd University 6-8686
Oklahoma City, Okla, 3909 S Meridian Ave Mutual 5-7741
Omaha 8, Neb, 1110 S 4 St Harney 8818
St Louis 2, Mo, 5 Carr St Chestnut 1-2170
San Antonio 8, Tex, 222 Sequin St Capitol 6-7377
Shreveport, La, 219 Beach St (Agurs) 3-4992
Tulsa 3, Okla, 36 N Guthrie Luther 4-6169
Wichita 2, Kan, 727 E Osie Amherst 5-9606
Thompson-Weinman & Co, 52 Vanderbilt Ave, N Y 17 Murray Hill 3-6244
Thurston & Braidich Div, Morningstar-Paisley, Inc, 630 W 51 St, N Y C JU 2-3790
Algonquin 5-1588
Titan Chem Products, Inc, Mill Rd & Wayne St, Jersey City, N J HE 3-7200

►**TITANIUM ALLOY MFG DIV, NATIONAL LEAD CO,** 111 Broadway, N Y 6 **Barclay 7-0945**
Titanium Metals Corp of America, 233 Broadway, N Y 7 Worth 4-7620
Chicago 2, Ill, 6 N Michigan Ave State 2-5947
Cleveland 13, Ohio, Terminal Tower Main 1-5450
Dallas 35, Tex, Exchange Bank Bldg Fleetwood 7-4353
Los Angeles 22, Cal, 6465 Corvette St Raymond 3-8567
Titanium Pigment Corp, 111 Broadway, N Y 6 Rector 2-9400
Branches in all principal cities
TITANIUM ZIRCONIUM CO, INC, 13 Locktown Rd, Flemington, N J 1123
Tobey Chem Co, 1472 Broadway, N Y 36 **Longacre 4-2520**
A M TODD CO, 1717 Douglas Ave, Kalamazoo, Mich Fireside 3-2603
Toledo Solvents & Chems Co see Solvents & Chems Group
Tracerlab Inc, 1601 Trapelo Rd, Waltham 54, Mass Twinbrook 4-6600
Arthur C Trask Co, 327 S LaSalle St, Chicago 4, Ill Wabash 2-8900
N Y 36, 55 W 42 St Longacre 4-8489
Tretolite Co Div, Petrolite Corp, 369 Marshall Ave, St Louis 19, Mo Woodland 1-3500
Triangle Chem Co, 206 Lower Elm St, Macon, Ga Sherwood 3-1548
Atlanta, Ga, 3182 Peachtree Rd N E Cedar 7-8686
TRIO CHEM WORKS, INC, 341 Scholes St, Bklyn 6, NY Hyacinth 7-3595
Trojan Powder Co, 17 N 7 St, Allentown, Pa Hemlock 4-5201
Los Angeles 14, Cal, 412 W 6 St Pleasant 3-6156
Portland 4, Ore, 522 S W 5 Ave Atwater 4660
San Francisco 4, Cal, 620 Market St Garfield 1-3114
Wolf Lake, Ill Anna: 1009
Tropical Paint Co, 1246-1250 W 70 St, Cleveland 2, Ohio Olympic 1-5900
Troy Chem Co, 338 Wilson Ave, Newark 5, N J Mitchell 2-5292
NYC: Digby 9-0181

►**TRUBEK LABS,**
State Hwy 17, E Rutherford, N J Geneva 8-7800
Trumbell Asphalt Co of Delaware, 59 St & Archer Rd, Summit, Argo P O, Ill PO 7-7040
Trylon Chems, Inc, Box 65 Lock Haven, Pa 5900
JOSEPH TURNER & CO, Pleasantview Terr, Ridgefield, N J Whitney 5-8383
NYC: Chickering 4-7531
Chicago, Ill, 435 N Michigan Ave Whitehall 4-4664
Providence, R I, 146 Westminster St Gaspee 1-3771
Tuscarora Chem Works, Seneca Turnpike, Chittenango, N Y 6667

U, V

U B S Chem Corp, 491 Main St, Cambridge 42, Mass University 4-7300
Cambridge 42, Mass, 491 Main St University 4-7300
Chicago, Ill, Prudential Plaza Whitehall 4-6636
Greenville, S C, Box 3326 Sta A Worth 3-4611
Long Island City, N Y, 29-28 41 Ave Exeter 2-3987
GEORGE UHE CO, INC, 76 9 Ave, N Y 11 Watkins 9-0870
Paul Uhlich & Co, Inc, 90 West St, N Y 6 Barclay 7-5172
ULTRA CHEM WORKS, INC, DIV WITCO CHEM CO, Wood & Shady Sts, Paterson 4, N J Armory 4-0100
Chicago 1, Ill, 75 E Wacker Dr Financial 6-2960
(Los Angeles) Hawthorne, Cal, 12607 Cerise Ave Oregon 8-4793
Uncle Sam Chem Co, Inc, 573-577 W 131 St, N Y 27 Audubon 6-2510
UNION BAG-CAMP PAPER CORP, 233 Broadway, N Y 7 Cortlandt 7-5300
Chicago, Ill, Daily News Bldg
UNION CARBIDE CORP, 30 E 42 St, N Y 17 Murray Hill 7-8000
SILICONES DIV, 30 E 42 St, N Y 17 MU 6-1700
Atlanta 9, Ga, 1371 Peachtree St NE
Boston 94, Mass, 300 First Ave, Needham Hts
Chicago 1, Ill, 230 N Michigan Ave
Cleveland 14, Ohio, 1300 Lakeside Ave
Dallas 1, Tex, 1511 Bryan St
Detroit 21, Mich, 10421 W 7 Mile Rd
(Los Angeles) Vernon, Cal, 2770 Leonis Blvd
N Y 17, 100 E 42 St
(Phila) Moorestown, N J, Pleasant Valley Rd, Rte 38
Pittsburgh 22, Pa, 644 Oliver Bldg
See also separate listings by divisions:
Linde Co
National Carbon Co
Union Carbide Chems Co
Union Carbide Metals Co
Union Carbide Olefins Co
Union Carbide Plastics Co
UNION CARBIDE CHEMS CO, DIV UNION CARBIDE CORP, 30 E 42 St, N Y 17 Murray Hill 7-8000
Albany 7, N Y, 90 State St 5-3507
Atlanta 3, Ga, 1371 Peachtree St N E Trinity 3-2241
Baltimore 1, Md, 210 N Charles St Saratoga 7-7365
(Boston 94) Needham Hts, Mass, 300 I Ave Hillcrest 4-5400
Buffalo 26, N Y, 4446 Main St Circle 4040
Charlotte 2, N C, 112 S Tryon St Franklin 5-3383
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cincinnati 6, Ohio, 2506 May St Avon 1-4450
Cleveland 14, Ohio, 1300 Lakeside Ave Main 1-4202
Dallas, Tex, 1511 Bryan St Riverside 1-9176
Denver 3, Col, 655 Broadway Alpine 5-0497
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Houston, Tex, 3839 W Alabama Mohawk 7-5641
Indianapolis 4, Ind, 5 E Market St Melrose 2-5548
Kansas City 5, Mo, 910 Baltimore Ave Baltimore 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Miami 43, Fla, 6356 Manor Lane Mohawk 7-5181
Milwaukee 46, Wis, 1623 S 38 St Mitchell 5-2200
Minneapolis 2, Minn, 915 Midland Bank Bldg Federal 9-0313
Newark 2, N J, 1180 Raymond Blvd Market 3-7660
New Orleans 19, La, 4833 Conti St Amherst 5301
N Y 17, 100 E 42 St Murray Hill 6-5100
(Phila) Moorestown, N J, Rt 38 Belmont 5-6200
Pittsburgh 22, Pa, Oliver Bldg Express 1-3800
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 6-0324
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
Seattle 4, Wash, 3404 4 Ave S Main 2-6247
Tulsa 24, Okla, 2901 S Harvard Riverside 2-5524
Union Carbide Metals Co, Div Union Carbide Corp, 30 E 42 St, N Y 17 MU 7-8000
Branches in all principal cities
Union Carbide Plastics Co, Div Union Carbide Corp, 30 E 42 St, N Y 17 Murray Hill 7-8000
Branches in all principal cities
Union Starch & Refining Co, 301 Washington St, Columbus, Ind Drexel 2-2571
Chicago, Ill, 444 Lake Shore Dr Mohawk 4-4358
Los Angeles, Cal, 6453 Bandini Blvd Raymond 3-4478
San Francisco, Cal, 25 Pacific St Yukon 2-5396
UNITED CARBON CO, INC, P O Box 1913, Charleston 27, W Va Dickens 4-2411
Akron 8, Ohio, 308 Akron Savings & Loan Bldg Franklin 6-8128
Boston 15, Mass, 302 United Bldg Highlands 5-1664
Chicago 3, Ill, 1620 Field Bldg Central 6-1353
Los Angeles 5, Cal, 3932 Wilshire Blvd Dunkirk 4-9368
Memphis 3, Tenn, 2810 Sterick Bldg Jackson 5-0237
N Y 1, 2612 Empire State Bldg Pennsylvania 6-6338
United Chem & Organic Products, Div Wilson Co, Inc, Plummer St & Wentworth Ave, Calumet City, Ill S Chicago 8-5464
N Y 14, 345 Hudson St Oregon 5-8100
United Fuel Gas Co, 1700 McCorkle Ave, Charleston, W Va Dickens 6-0951
United-Heckathorn, 600 S 4 St, Richmond, Cal Oakland: Landscape 5-9210
United-Heckathorn of Blythe, P O Box 245, Blythe, Cal 3875
United Paste & Glue Corp, 40 Renwick St, N Y 13 Algonquin 5-0114
UNITED STATES BORAX & CHEM CORP, PACIFIC COAST BORAX CO DIV, 50 Rockefeller Plaza, N Y 20 Judson 2-6262
Atlanta 9, Ga, 1145 Peachtree St, N E, P O Box 7242 Sta C Trinity 2-8896
Chicago 45, Ill, 3456 Peterson Ave Independence 3-6262
Cleveland 3, Ohio, 5012 Euclid Ave University 1-0521
Los Angeles 5, Cal, 630 Shatto Pl Dunkirk 7-5151
Phila 4, Pa, 302 Wilford Bldg, 33 & Arch Sts Baring 2-6633
St Louis 8, Mo, Rm 110, 4150 Laclede Ave
United States Potash Co Div, see separate listing
United States Gypsum Co, 300 W Adams, Chicago 6, Ill State 2-6100
Albany, N Y, 45 Colvin Ave 89-2504
Atlanta, Ga, 1330 W Peachtree St Trinity 5-7954
Cincinnati 6, O, Suite 206, 1423 McMillan University 1-9115
Dallas 35, Tex, 6810 Hines Blvd Fleetwood 1-5386
Detroit, Mich, 2211 Woodward Ave Woodward 1-6227
Kansas City, Mo, 6308 Troost Ave Emerson 3-1360
Los Angeles 54, Cal, 2322 W 3 St Dunkirk 8-1171
N Y 17, 415 Madison Ave Plaza 9-6580
Phila 31, Pa, 7616 City Line Ave Greenwood 7-6505

►**U S INDUSTRIAL CHEMS CO, DIV NATIONAL DISTILLERS & CHEM CORP,**
99 Park Ave, N Y 6 Oxford 7-0700
Atlanta, Ga, 2713 Springdale Rd, E Point Poplar 6-8039
Baltimore 3, Md, 200 E Jappa Rd Valley 5-1141
Boston 14, Mass, 150 Causeway St Capitol 7-8140
Buffalo, N Y, 301 E North St Summer 4575
Chicago 5, Ill, 624 S Michigan Ave Wabash 2-1650
Cincinnati 11, Ohio, 3319 Glenmore Ave Montana 2-1222
Cleveland 13, Ohio, Rockefeller Bldg Cherry 1-0073
Detroit 16, Mich, 1448 Wabash Ave Woodward 1-4220
Kansas City 6, Mo, 903 McGee St Victor 2-2413
Los Angeles 57, Cal, 1901 W 8 St Dunkirk 8-1423
Louisville 1, Ky, 16 & Bernheim Melrose 6-2511
Minneapolis 14, Minn, 2429 University Ave S E Federal 2-7311
New Orleans 12, La, 708 Maritime Bldg Jackson 2-0521
N Y 17, 420 Lexington Ave Oxford 7-0700
(Phila) Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-5110
St Louis 17, Mo, 1401 Brentwood Blvd Woodland 1-4400
San Francisco 4, Calif, 220 Montgomery St Exbrook 7-3250
United States Mica Co, Inc, 79 Prospect St, Stamford, Conn DA 4-9531
Forest Park, Ill, 1525 Circle Ave Forest 6-2330
Kings Mountain, N C 695
Wallington, N J, Jordon & Van Dyke Sts Webster 9-8950
United States Oils & Chems, 194 Henderson St, Jersey City 2, N J Henderson 2-3984
US Peroxygen Corp, 850 Morton Ave, Richmond, Cal Beacon 3-5911
United States Petrochem Co, Inc, 59-63 E 1 St, Mt Vernon, N Y MO 4-3045
UNITED STATE PIPE & FOUNDRY CO, 3300 1 Ave N, Birmingham 2, Ala Alpine 1-3161

►**UNITED STATES POTASH CO, DIV UNITED STATES BORAX & CHEM CORP,**
50 Rockefeller Plaza, N Y 20 Judson 2-6262
Atlanta 3, Ga, 1225 Rhodes-Haverty Bldg Jackson 3-8636
United States Steel Corp, 525 William Penn Pl, Pittsburgh 30, Pa Express 1-2345
Chicago 90, Ill, 208 S LaSalle St Central 6-9200
Fairfield, Ala, P O Box 599 State 5-8011
N Y 6, 71 Broadway Digby 4-9000
Pittsburgh 30, Pa, 525 William Penn Pl Express 1-2345
Salt Lake City 1, Utah, Kearns Bldg Empire 3-4454
United States Varnish Co, 625 Franklin Ave, Hasbrouck Hts, N J AT 8-0373
United Wallpaper, Inc, 1350 S Kostner, Chicago 23, Ill Rockwell 2-5000
Universal Atlas Cement, Div US Steel Corp, 100 Park Ave, N Y 17 Murray Hill 6-7400
Universal Detergents, Inc, Subs Petrochems Co, 1825 E Spring St, Long Beach 6, Cal Garfield 7-9924
Ft Worth, Tex, 301-5 Danciger Bldg Edison 2-6990
N Y 17, 420 Lexington Ave Lexington 2-4686
UNIVERSAL OIL PRODUCTS CO, 30 Algonquin Rd, Des Plaines, Ill VA 4-1155
Chicago: Rodney 3-6000
Universal Western Chem Corp, 12800 E Imperial Hwy, P O Box 487 Norwalk, Cal University 3-4731
VAN AMERINGEN-HAEBLER, DIV INTERNATIONAL FLAVORS & FRAGRANCES, INC, 521 W 57 St, N Y 19 Circle 6-2700
Chicago 6, Ill, 201 N Wells St Randolph 6-6468

Vanadium Corp of America, 420 Lexington Ave, N Y 17 Lexington 2-3580
R T Vanderbilt Co, Inc, 230 Park Ave, N Y 17 Murray Hill 6-6864
Varcum Chem Corp, Packard Rd, Niagara Falls, N Y Butler 2-2356
VAR-LAC-OID CHEM CO, 116 Broad St, N Y 4 Whitehall 4-0348
Varnitor Co, 416 N Varney St, Burbank, Cal TH 6-7040
Velsicol Chem Corp, 330 E Grand Ave, Chicago 11, Ill Delaware 7-7383
Verona-Pharma Chem Corp, Springfield Rd, Union, N J Murdock 6-3700
Vickers Petroleum Co, Inc, 8506 E Central, Wichita, Kans Murry 4-5111
VICTOR CHEM WORKS, 155 N Wacker Dr, Chicago 6, Ill Dearborn 2-4010
Kansas City 5, Mo, 914 Board of Trade Bldg Harrison 1-2051
Nashville 3, Tenn, 900 Sudekum Bldg Alpine 6-3737
N Y 17, 220 E 42 St Murray Hill 2-8360
Oakland 18, Cal, 5653 College Ave Olympic 5-7361
S Gate, Cal, 4570 Ardine St Ludlow 8-2214

►**VIRGINIA-CAROLINA CHEM CORP,**
401 E Main St, Richmond, Va MI 2-0113
Albany, Ga, 715 Flint Ave Hemlock 2-2396
Baltimore 26, Md, 2000 Chesapeake Ave Curtis 7-2992
Birmingham, Ala, 3700 14 Ave N Lyric 2-6341
Cincinnati 17, Ohio, Murray Rd Avon 1-1935
Columbia, S C, 407 Barringer Bldg 2-4387
Dubuque, Iowa, E 7 & Commercial Sts 2-3635
E St Louis, Ill, Kings Hwy & Vandalia BR 1-3720
Estherville, Iowa, Hwy 17 S Emerson 2-2673
Ft Wayne, Ind, 2515 Taylor St Anthony 3218
Greensboro, N C, 728 Jefferson Std Bldg 2-4161
Hopkinsville, Ky. Tuxedo 6-1291
Jackson 18, Miss, 3401 N Mill St 6-4401
Memphis, Tenn, 152 N Collins Glendale 2-6216
Montgomery, Ala, 1521 N Court St Amhurst 2-2741
Norfolk 14, Va, 525 Western Union Bldg Madison 2-4779
Orlando, Fla, 423 S Orange Ave 2-5174
Orrville, Ohio 940
Remington, Ind 308
Rochester 6, N Y, 90 Lee Rd Glenwood 4451
Shreveport, La, 1910 Claiborne Ave 3-6274
Wilmington, N C, 809 Murchison Bldg 7717

VIRGINIA SMELTING CO, W Norfolk, Va EX 7-3441
Asheville, N C, 13 Woodley Ave Alpine 3-7901
Atlanta, Ga, 3105 Roswell Rd NE Cedar 7-1621
Bellevue, Wash, P O Box 832 Tucker 5-2676
Boston 4, Mass, 131 State St Hubbard 2-5635
Chicago 43, Ill, 10742 S Western Ave Prescott 9-6263
Cuyahoga Falls, Ohio, 215 Franklin Rd WA 3-8498
N Y 16, 270 Madison Ave Oregon 9-1131
Phila, Pa, 804 West Ave, Jenkintown TU 7-4448

VITAMINS, INC, 809 W 58 St, Chicago 21, Ill Hudson 3-3900

►**VITRO CORP OF AMERICA,**
261 Madison Ave, N Y C

►**VITRO MFG CO,**
60 Greenway Dr, Pittsburgh 4, Pa Federal 1-3550
Compton, Cal, 1625 El Segundo Blvd Nevada 6-8212

►**VITRO RARE METALS CO,**
Canonsburg, Pa Sherwood 5-5000

VULCAN DETINNING CO, DIV VULCAN MATERIALS CO, Arbor St, Sewaren, N J Mercury 4-6400
See also separate listings by subsidiary:
Berkshire Chems Co

W, Y, Z

CHARLES A WAGNER CO, INC, 4455 N 6 St, Phila 40, Pa Gladstone 7-0600
Wallace Fisheries Co, P O Box 111 Morehead City, N C Park 6-3204
WALLACE & TIERNAN INC, 25 Main St, Belleville 9, N J Plymouth 9-8000
See separate listings by divisions:
Harchem Div
Lucidol Div

WALLACH-GRACER EXPORT CORP, 350 5 Ave, N Y 1 LO 4-5490
Wallerstein Co, Div Baxter Labs, Inc, Wallerstein Sq, Staten Island 3, N Y Gibraltar 2-6400
San Francisco 2, Cal, 760 Market St Garfield 2-6400
Warner Co, 1721 Arch St, Phila, Pa Rittenhouse 6-3900
N Y C, 104 E 40 St Murray Hill 3-1812
Warwick Chem Co Div, Sun Chem Corp, Wood River Junction, R I Forest 4-7781
N Y 17, 750 3 Ave Yukon 6-5500

►**WARWICK WAX DIV, WESTERN PETRO-CHEMICAL CORP,**
2 W 45 St, N Y C Murray Hill 7-8220
Chicago 3, Ill, 79 W Monroe St Andover 3-3808

WASHINE CHEM CORP, 165 Main St, Lodi, N J Gregory 1-4500
NYC: Stillwell 4-0500
Wateree Chem Co, Inc, Lugoff, S C HE 2-3949
Waverly Chem Co, Inc, 628 Waverly Ave, Mamaroneck N Y Owens 8-8550
Chicago 6, Ill, 549 W Washington Blvd Randolph 6-1565
Los Angeles 43, Cal, 4710 Crenshaw Blvd Axminster 2-7810

R D Webb & Co, Inc, 137 Boston Post Rd, Cos Cob, Conn TO 9-8363
Chicago 6, Ill, 605 W Washington Blvd Andover 3-6197
Los Angeles 23, Cal, 3525 E Olympic Blvd Angelus 3-1442

WELCH, HOLME & CLARK CO, INC, 1 Hudson St, N Y 13 Barclay 7-4465
(The) Welsbach Corp, Ozone Processes Div, Walnut & 15 St, Phila, 2, Pa Kingsley 5-4020
Wesson Oil & Snowdrift Co, Inc, 11 Broadway, N Y 4 Bowling Green 9-4190
West Chester Chem Co, P O Box 39, West Chester (Downingtown), Pa Andrews 9-3212
West End Chem Co, Div Stauffer Chem Co, 1956 Webster St, Oakland, Cal Templebar 2-4770
W Va Pulp & Paper Co, Industrial Chem Sales Div, 230 Park Ave, N Y 17 Murray Hill 6-8400
Chicago 1, Ill, 35 E Wacker Dr State 2-7336
Cleveland 20, Ohio, 2775 S Moreland Blvd Skyline 2-3333
Phila 7, Pa, Phila Natl Bank Bldg RI 6-2719
Polychems Div, Charleston A, S C Sherwood 4-8231
Western Chem Co, 713-15 Washington St, Kansas City 5, Mo Victor 2-0560
Western Chem & Mfg Co, 3270 E Washington Blvd, Los Angeles 23, Cal Angelus 9-0191
WESTERN CONDENSING CO, 340 W College Ave, Appleton, Wis Regent 3-6611
Western Dry Color Co, 600 W 52 St, Chicago 9, Ill Boulevard 8-3135

►**WESTERN PENNSYLVANIA CHEM CO, INC,**
4125 6 Ave, Altoona, Pa Windsor 4-9468
Erie, Pa, 1543 W 38 St GL 4-8151
Middletown, Pa, Brown & Catherine WH 4-4638
Pittsburgh, Pa, 2955 Grand Ave Spalding 1-2400
Western Solvents & Chems Co see Solvents & Chems Group

►**WESTVACO CHLOR-ALKALI DIV, FOOD MACHY & CHEM CORP,**
161 E 42 St, N Y 17 Murray Hill 7-7400
Charlotte, N C, 1207 Liberty Life Bldg 7-1521
Chicago 2, Ill, 6 N Michigan Ave Financial 6-2618
Denver 2, Col, 504 Farmers Union Bldg, 1575 Sherman St Acoma 2-788
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-5169
Phila 40, Pa, 3701 N Broad St Atlantic 1-8979
St Louis 21, Mo, 201 N Florissant Blvd Jackson 1-1153
San Francisco, Cal, 70 Rickard St Juniper 4-0818
S Charleston, W Va, Drawer J Riverside 4-9431
Vancouver, Wash, P O Box 154 3-8631

►**WESTVACO MINERAL PRODUCTS DIV, FOOD MACHY & CHEM CORP,**
161 E 42 St, N Y 17 Murray Hill 7-7400
Charlotte, N C, 1207 Liberty Life Bldg Franklin 7-1521
Chicago 2, Ill, 6 N Michigan Ave Financial 6-2126
Cincinnati 2, Ohio, 1101 Gyne Bldg Main 1-5979
Houston 25, Tex 6910 Fannin-Rm 322N Jackson 4-7425
Lawrence, Kan, P O Box 532 Viking 3-3880
Los Angeles 22, Cal, 2121 Yates Ave Raymond 3-5169
Newark, Cal Sycamore 3-1230
Phila 40, Pa, 908 Beury Bldg, 3701 N Broad St Baldwin 3-7901
Tulsa, Okla, 520 W 14 Pl Luther 4-2843
Vancouver, Wash, P O Box 154 Cherry 6-2749
Weyerhauser Timber Co, Silvatek Products Div, Tacoma Bldg, Tacoma 1, Wash Market 7-7151
Daly City, Cal, 375 S Mayfair Ave
Newark 1, N J, P O Drawer 629 Mitchell 2-7880
St Paul 1, Minn, First Natl Bank Bldg Capital 4-4676
White & Bagley Co, P O Box 117, Worcester, Mass PL 5-6151
Detroit 16, Mich, 1448 Wabash Ave Woodward 2-0377
Whitmoyer Labs, Inc, 19 N Railroad St, Myerstown, Pa Union 6-2151
Whitmoyer Labs of Ga, Inc, Athens Rd, Gainesville, Ga Lennox 2-8492
WHITTAKER, CLARK & DANIELS, INC, 100 Church St, N Y 7 Worth 4-2060
J O Whitten Co Inc, Winchester, Mass Parkview 9-4200
N Y C, Washington St
Wica Chems, Inc, P O Box 506, Old Concord Rd Charlotte, N C Franklin 6-6514
WILL & BAUMER CANDLE CO, INC, Liverpool Rd Syracuse 1, N Y Harrison 2-0411
Boston 9, Mass, 71 Broad St Hancock 6-1897
Chicago 6, Ill, 162 N Franklin St State 2-6531
Los Angeles 15, Cal, 954 S Flower St Tucker 5703
N Y 16, 15-17 E 32 St Murray Hill 4-2664
C K WILLIAMS & CO, 2601 Lynch Ave, E St Louis, Ill Bridge 1-4600
Boston 9, Mass, 131 State St Lafayette 3-0255
Chicago 6, Ill, 400 W Madison St Andover 3-1688
Cincinnati 2, Ohio, 1312 American Bldg Main 2061
Cleveland 15, Ohio, 1501 Euclid Ave Cherry 1-7755
Detroit 27, Mich, 14402 Plymouth Rd Broadway 3-5680
Easton, Pa, 640 N 13 St 3-6261
Emeryville 8, Cal, 4650 Shellmound St Olympic 2-4806
Houston 5, Tex, 4010 Bluebonnet, Rm 210 Mohawk 4-2830
Kansas City 11, Mo, 406 W 34 St Logan 2676
Los Angeles 1, Cal, 7522 Male Ave Ludlow 7-4218
New Orleans, La, 1132 Natl Bank of Commerce Bldg Express 3770
Newark 8, N J, 655 Clinton Ave
Phila 4, Pa, 101 N 33 St Evergreen 2-2650
Williams Gold Refining Co, Inc, 2978 Main St, Buffalo 14, N Y UN 7204
Williams Lime Mfg Co, Inc, 902-904 Hamilton Bank Bldg, Knoxville 1, Tenn 3-6133
Wilner Wood Refinery, Subs Wilner Wood Products Co, Norway, Me Pilgrim 3-6361
Wilson & Co, Inc, Research & Technical Div, Dept A, 42 & Marshfield Aves, Chicago 9, Ill Yards 7-4070
See also separate listings by divisions:
Central Chem Div
United Chem & Organic Products Div
Wilson Labs
Wilson-Martin Div

Wilson Labs, Div Wilson & Co, Inc, 4221 S Western Blvd, Chicago 9, Ill Lafayette 3-0110
Los Angeles 54, Cal, 1608 E 15 St Richmond 9-8106
N Y 14, 345 Hudson St Oregon 5-8100
Phila 48, Pa, Snyder Ave & Swanson Howard 5-1300

►**WILSON-MARTIN, DIV WILSON & CO, INC,**
Snyder Ave & Swanson St, Phila 48, Pa Howard 5-1300
See catalog section for listing of branches
Wilson Organic Chems Inc, Horseshoe Rd & Main St Sayreville, N J PA 1-1300
WINTHROP LABS, SPECIAL CHEMS DEPT, 1450 Broadway, N Y 18 LA 4-6400
Wisconsin Solvents & Chems Corp see Solvents & Chems Group

►**WITCO CHEM CO,**
122 E 42 St, N Y 17 Murray Hill 7 7979
Akron 8, Ohio, 213 W Bowery St Portage 2-8981
Atlanta, Ga, 1447 Peachtree St, N E Trinity 6-3971
Boston 7, Mass, Foster St, Quincy Granite 9-2909
Chicago 1, Ill, 75 E Wacker Dr Financial 6 2960
Dallas 18, Tex, 415 Hambricks St Davis 1-5727
Houston 19, Tex, 1 Briar Dale Ct Mohawk 4-9868
Los Angeles 5, Cal, 3460 Wilshire Blvd Dunkirk 9-1211
San Francisco 27, Cal, 80 Stonestown Lombard 4-1261
See also separate listing by division:
Ultra Chem Works Div

Woburn Chem Corp, 1200 Harrison Ave, Harrison, N J WY 1-3300
JACQUES WOLF & CO, DIV NOPCO CHEM CO, P O Box 839, Passaic, (350 Lexington Ave, Clifton) N J PR 7-5000
Carlstadt, N J, 13 St & Berry Ave PR 7-5000
Torrance, Cal, 1615 Border Ave Fairfax 8-2600
WOLLEN CHEM & SUPPLY CO, 126 6 Ave, Paterson 4, N J Armory 4-2800
Wolverine Solvents & Chems Co see Solvents & Chems Group
W A Wood Co, 108 Spring St, Everell, Mass DU 7-4231
Wood Flour, Inc, Howard St, Winchester, N H 140
Woodbury Chem Co, Box 788, St Joseph, Mo Adam 8-3377
Denver, Colo, 5400 Monroe St Acoma 2-5895
Goulds, Fla, Box 497 Circle 7-5061

►**WYANDOTTE CHEMS CORP,**
Wyandotte, Mich Avenue 2-3300
Atlanta 9, Ga, 1430 W Peachtree Rd N W Trinity 3-2691
Baton Rouge, La, P O Drawer 2108 Dickens 8-3231
Chicago 11, Ill, 435 N Michigan Ave Superior 7-8866
N Y 17, 60 E 42 St Murray Hill 2-1780
Pasadena, Cal, 232 N Lake St Sycamore 2-5126
Wye Industries, 6 Gen Devine Way, Boston 27, Mass Andrew 8-6701
Wyo-Ben Products Co, 1242 N 28 St, P O Box 1979, Billings, Mont 2-6351
S Houston, Tex, 1312 College Ave Hudson 6-1426
York Chem Co, Inc, 23 Dean St, Bklyn 1, N Y Ulster 5-3010
Zeen Chem Co, 2000 Elm St N W, Cleveland 13, Ohio CH 1-8174
Zialite Corp, 92 Grove St, Worcester 5, Mass Pleasant 5-6362
G S Ziegler & Co, 172 Great Neck Rd, Great Neck, N Y Hunter 2-8600
William Zinsser Co, Inc, 516 W 59 St, N Y 19 CO 5-2800
Chicago 12, Ill, 319 N Western Ave Taylor 9-6488
Zirconium Corp of America, 1501 Solon Rd, Solon, Ohio Churchill 8-6191
Zonolite Co, 135 S La Salle St, Chicago, Ill CE 6-5885
Chicago, Ill, 12300 S Ashland Ave WA 8-9300
Dearborn, Mich, 14300 Henn Ave Tiffany 6-1010
Ellwood City, Pa, 12 & Factory Aves Plaza 8-5548
High Point, N C, P O Box 1308 8978
Kansas City, Mo, 515 Madison St Victor 2-0503
Libby, Mont 38
Little Rock, Ark, P O Box 2712
Nashville, Tenn, P O Box 601 Alpine 4-1190
New Orleans, La, P O Box 3193 Victor 6522
N Y C, 122 E 42 St Oxford 7-1665
N Billerica, Mass, P O Box 117 Montrose 3-2700
N Little Rock, Ark, P O Box 294 Windsor 5-1678
Oklahoma City, Okla, P O Box 6302
St Louis, Mo, 1705 Sulphur Ave
Travelers Rest, S C, P O Box 217 4-4144
Trenton, N J, P O Box 2124 Juniper 7-2570
Utica, N Y, 1 Clay St 5-5511
Washington, D C, P O Box 5120, Benning Sta Union 4-7070
Wilder, Ky, P O Box 232 Axtel 1-3500
Zophar Mills, Inc, 112 26 St, Bklyn 32, N Y South 8-0907

ACETO CHEMICAL CO., INC.

40-40 LAWRENCE STREET • FLUSHING 54, N. Y.

Telephone INDEPENDENCE 1-4100

WEST COAST OFFICE: 6850 TUJUNGA AVE., NORTH HOLLYWOOD, CAL. TEL. TRIANGLE 7-9913

THE ACETO CHEMICAL CO., INC., founded in 1945, acts as the exclusive U.S.A. sales agent for over a dozen chemical companies located throughout the world. Our products line is chosen from the production of these companies, as well as from the production of our facilities at Nitro, West Virginia.

Because of the very wide variety of equipment and process information available, we are in a unique position to supply a large number of commercial chemicals from stock, including some which are hard to find, or not regularly manufactured in the United States. Your inquiries on such "problem chemicals" are particularly welcome.

The list below includes approximately 100 chemicals normally carried in stock or readily available. In addition, a complete Products Bulletin is available on request. This bulletin lists more than 250 commercial chemicals, many available nowhere else. In writing, ask for List No. CM59.

Acetals
Acetoacetanilide
Acetoacet-o-Anisidide
Acetoacet-p-Anisidide
Acetoacet Benzylamide
Acetoacet-p-Chloranilide
Acetoacet-2,5-Dichloranilide
Acetoacetic Esters (Methyl and Ethyl)
Acetoacet-p-Phenetidide
Acetoacet-o-Toluidide
Acetoacet-p-Toluidide
Acetoacet-2,4-Xylidide
Acetonyl Acetone (2,5-Hexanedione)
Acetyl Acetone (and metal salts)
Alcohols, C_8-C_{18} range
Alkyl Bromides & Chlorides
Alkyl Cyanides
Aluminum Formate (dry powder)
Amino Ethyl Sulfuric Acid
Arachidic Acid
Behenic Acid
Bromoacetic Acid and Esters
Cetyl Alcohol
Cetyl Bromide
Cetyl Chloride
Cetyl Dimethyl Benzyl Ammonium Chloride
Cetyl Pyridinium Bromide
Cetyl Pyridinium Chloride
Cetyl Trimethyl Ammonium Bromide
Cetyl Trimethyl Ammonium-Chloride
Chloranilines
Chloroacetals
Chrysarobin
Copper Glycinate
pseudo Cumene (1,2,4-Trimethyl Benzene)
pseudo Cumidine
Decyl Bromide and Chloride
Dehydroacetic Acid (also Sodium and Calcium Salts)
Dibutyl Oxalate
2,5-Dichloraniline (DCA)
Diethyl Oxalate
Dimethyl Acetal
Dimethyl Glyoxime
2,4-Dinitroaniline (DNA)
Ditolyl Sulfone
Erucic Acid
Ethyl Acetoacetate
Ethyl Myristate
Ethyl Oleate
Fluoroacetate Salts and Esters
Gallium and Salts
Glycine salts
Glycidol (Hydroxy Propylene Oxide)
Heptachloropropane
p-Hydroxybenzoate esters (and sodium salts)
Isophorone
Lauryl Alcohol 99%
Lauryl Bromide and Chloride
Lead Acetate
Lead Nitrate
Magnesium Glycinate
Magnesium Trisilicate USP
Malonic Ester derivatives
Methyl Acetoacetate
Methyl Isopropyl Ketone
Myristic Acid
Myristyl Alcohol
Nickel Acetate
Nickel Cyanide
Nickel Formate
Nickel Hydroxide
Nitro Salicylic Acids and Esters
Octyl Bromides and Chlorides
Pentanol-2
alpha Picoline
Quaternary Ammonium Compounds
Sodium Amide
Sodium Cetyl-Stearyl Sulfate
Sodium Lauryl Sulfate (powder and dustless needle forms)
Stearyl Alcohol
Stearyl Bromide and Chloride
Tetraethyl Thiuram Disulfide (TETD)
Tetramethyl Thiuram Disulfide (TMTD)
Tetraethyl Thiuram Monosulfide (TETM)
Tetramethyl Thiuram Monosulfide (TMTM)
p-Thiocresol (Toluene p-Thiol)
Tolyl Methyl Pyrazolone
Trichloracetic Anhydride
2,4-Xylidine
2,6-Xylidine
Zinc Diethyl Dithiocarbamate
Zinc Dimethyl Dithiocarbamate (Ziram)
Zinc Oxide (rubber paint and ceramic grades)

Allied Chemical

BAKER & ADAMSON®

Products of GENERAL CHEMICAL DIVISION

Under its Baker & Adamson trademark, General Chemical produces a broad line of reagent, fine and special chemicals noteworthy for extremely high quality and for strict compliance with exacting specifications. The extensive facilities of Baker & Adamson Works at Marcus Hook, Pa. are designed for the production of reagents and fine chemicals of the same high purity, whether in tons or ounces. Such diversity enables General Chemical to serve the chemical needs of a manufacturer in every stage of his product development program, from laboratory research through commercial production.

Following is a listing of the principal B&A reagents and fine chemicals presently available in tonnage quantities. Those products for which grades are not indicated can generally be furnished in qualities ranging from technical to reagent.

Acetamide, Crystal, Reagent & Technical
Acetic Acid, Reagent and U.S.P.
Acetic Anhydride, Reagent
Acetone, Reagent, A.C.S. & N.F.
Acetyl Chloride
Aluminum Acetate, Basic, Powder, Reagent
Aluminum Ammonium Sulfate, Crystal, Reagent & N.F.
Aluminum Chloride, Crystal, Reagent & U.S.P.
Aluminum Fluoride, Powder, Reagent & Tech.
Aluminum Hydroxide, Powder, Reagent & Purified
Aluminum Nitrate, Crystal, Reagent, Tech. & Electronic
Aluminum Oxide, Ignited Powder, Reagent
Aluminum Potassium Sulfate, Crystal, Reagent, A.C.S. & N.F.
Aluminum Sodium Sulfate, Reagent
Aluminum Sulfate, Crystal, Reagent, Powder, U.S.P., Tech., Hexahydrate
Alundum
Ammonium Acetate, Crystal, Reagent & Purified
Ammonium Bisulfate, Crystal, Reagent
Ammonium Bisulfite, Conc. Soln., Reagent
Ammonium Bromide, Gran., Reagent & N.F.
Ammonium Carbonate, Reagent, A.C.S., U.S.P. & Purified
Ammonium Chloride, Gran., Reagent & U.S.P.
Ammonium Chromate, Powder, Reagent
Ammonium Dichromate, Crystal, Reagent & Purified
Ammonium Fluoborate, Crystal & Powder, Tech.
Ammonium Fluoride, Crystal, Reagent & Tech.
Ammonium Formate, Crystal, Reagent
Ammonium Hydroxide, Reagent, A.C.S. & Tech.
Ammonium Molybdate, Crystal, Reagent, A.C.S.
Ammonium Nitrate, Reagent, A.C.S. & Purified
Ammonium Oxalate, Crystal, Reagent, A.C.S. & Purified
Ammonium Persulfate, Crystal, Reagent, A.C.S., Purified & Technical
Ammonium Phosphate, Reagent, A.C.S. & Purified
Ammonium Sulfate, Reagent, A.C.S. & U.S.P.
Ammonium Sulfide, Solution, Reagent & Tech.
Ammonium Sulfite, Crystal, Purified
Ammonium Thiocyanate, Crystal, Reagent, A.C.S. & Purified
Amyl Alcohol
Aniline, Reagent, A.C.S. & Purified
Antimony Trifluoride
Antimony Pentachloride, Reagent
Antimony Pentafluoride
Antimony Trichloride, Reagent
Antimony Trioxide, Reagent & Purified
Arsenic Pentoxide, Reagent
Arsenic Trioxide, Reagent & Tech.
Ascarite
Barium Acetate, Reagent & Electronic
Barium Carbonate, Reagent, A.C.S. & Tech.
Barium Chlorate, Crystal, Reagent
Barium Chloride, Crystal, Reagent, A.C.S. & Purified
Barium Fluoride, Powder, Reagent & Tech.
Barium Hydroxide, Crystal, Reagent, A.C.S. & Tech.
Barium Nitrate, Reagent, A.C.S. & Electronic
Barium Sulfate, Reagent & U.S.P.
Benzene (Benzol), Reagent, A.C.S.
Benzoic Acid, Reagent, A.C.S. & U.S.P.
Biological Grade Chemicals
  Potassium Chloride
  Sodium Bicarbonate
  Sodium Chloride
Bismuth Nitrate, Crystal, Reagent
Bismuth Trioxide
Boric Acid, Reagent & U.S.P.
Boron Trifluoride, Compressed Gas
Boron Trifluoride, Di-acetic Acid Complex
Boron Trifluoride, Di-n-Butyl Ether Complex
Boron Trifluoride, Dihydrate (Stabilized)
Boron Trifluoride, Ether Complex, Tech.
Boron Trifluoride, Ethyl "Cellosolve" Complex
Boron Trifluoride Hexamethylene-tetramine Complex
Boron Trifluoride, Monoethylamine Complex
Boron Trifluoride, Monohydrate
Boron Trifluoride, Para-cresol Complex
Boron Trifluoride, Phenol Complex, Tech.
Boron Trifluoride, Piperidine Complex
Boron Trifluoride, Triethanolamine Complex
Boron Trifluoride, Urea Complex
Bromine, Reagent, A.C.S. & Purified
Bromine Pentafluoride
Bromine Trifluoride
Cadmium Acetate, Crystal, Reagent
Cadmium Chloride, Reagent, A.C.S., Purified & Anhy.
Cadmium Fluoborate
Cadmium Fluoride
Cadmium Nitrate, Crystal, Reagent & Purified
Cadmium Sulfate, Crystal, Reagent, A.C.S.
Calcium Acetate, Powder, Reagent & Purified
Calcium Carbonate, Reagent, A.C.S. & Purified
Calcium Chloride, Reagent, A.C.S., U.S.P., Purified & Tech.
Calcium Fluoride, Powder, Reagent
Calcium Hydroxide, Powder, Reagent & Purified
Calcium Nitrate, Reagent, Purified & Electronic
Calcium Oxide, Powder, Reagent, C.P. & N.F.
Calcium Phosphide, Tech.
Calcium Sulfate, Powder, Reagent
Carbon Disulfide, Reagent
Carbon Tetrachloride, Reagent, A.C.S., C.P. & Tech.
Chlorine Trifluoride
Chloroform, Reagent & U.S.P.
Chromium Chloride, Green Crystal, Reagent
Chromium Fluoride, Powder
Chromium Fluoborate
Chromium Nitrate, Reagent & Purified
Chromium Nitrate, Solution, Tech.
Chromium Potassium Fluoride
Chromium Potassium Sulfate
Chromium Sulfate, Reagent
Chromyl Chloride
Citric Acid, Reagent, A.C.S. & U.S.P.
Cobaltic Fluoride, Anhydrous
Cobaltous Acetate, Reagent
Cobaltous Nitrate, Reagent, A.C.S. & Purified
Cupric Acetate, Crystal, Reagent, A.C.S. & Tech.
Cupric Ammonium Chloride, Crystal, Reagent, A.C.S.
Cupric Chloride, Crystal, Reagent, Tech. & Anhy.
Cupric Fluoborate
Cupric Fluoride, Powder, Tech.
Cupric Nitrate, Reagent & Purified
Cupric Nitrate, Solution
Cupric Oxide, Reagent
Cupric Sulfate, Reagent, N.F. & Tech.
Cupriethylene Diamine, Solution
Cupric Sulfide, Powder, Reagent
Cuprous Chloride, Reagent & Tech.
Dextrose, Anhydrous, Reagent, A.C.S.
Drierite
Electronic Grade Chemicals
  Acetone
  Carbon Tetrachloride
  Ether, Anhydrous
  Hydrogen Peroxide, 30%
  Hydrogen Peroxide, 30%, Stabilized
  Hydrogen Peroxide, 3%
  Hydrofluoric Acid
  Methyl Alcohol, Absolute
  Propyl Alcohol, Iso
  Sodium Carbonate, Monohydrate
  Trichloroethylene
Ether, Reagent, A.C.S. & U.S.P.
Ethylenediamine Tetraacetic Acid, Powder, Reagent
Ferric Ammonium Sulfate, Crystal, Reagent, A.C.S.
Ferric Chloride, Reagent, A.C.S.
Ferric Nitrate, Reagent & Tech.
Ferrous Ammonium Sulfate, Reagent, A.C.S. & Tech.
Ferrous Chloride, Crystal, Reagent
Ferrous Fluoborate
Ferrous Sulfamate, Soln.
Ferrous Sulfate, Reagent, U.S.P., Exsiccated
Ferrous Sulfide
Fluoboric Acid and Metallic Fluoborate Solutions
  Antimony Fluoborate, Solution, Purified
  Cadmium Fluoborate, Solution, Purified
  Cupric Fluoborate, Solution, Purified
  Ferrous Fluoborate, Solution, Purified
  Indium Fluoborate, Solution, Tech.
  Lead Fluoborate, Solution, Tech.

PHARMACEUTIC CHEMICALS

The number of B&A chemicals finding application in the Pharmaceutical Industry is growing constantly as new products are developed through General Chemical's research program and as the industry utilizes B&A's ability to produce special chemicals for new processes.

In addition to the broad range of N.F., U.S.P. and Reagent grade materials listed above, B&A offers a number of other chemicals regularly used in pharmaceutical manufacture.

"CUSTOM-MADE" SPECIAL CHEMICALS

General Chemical is well equipped to produce special chemicals made "to order" to meet individual specifications. Frequently, their manufacture can be undertaken readily in existing plant facilities. Whenever need of such a chemical is foreseen, an early discussion of your needs with a B&A representative is recommended so that production can be planned to dovetail delivery with the flow of your other process materials.

Fine Chemicals

Allied Chemical Corporation, 40 Rector St., N.Y. 6, N.Y.

Nickelous Fluoborate, Solution, Purified
Silver Fluoborate, Solution, Purified
Stannous Fluoborate, Solution, Purified
Zinc Fluoborate, Solution, Purified
Fluorine, Elemental (Gas & Liquid)
Fluosulfonic Acid
Formaldehyde, Reagent, A.C.S. & U.S.P.
Formic Acid, Reagent, C.P. & Tech.
Glycerine, Reagent, A.C.S.
Horne's Dry Lead, for Sugar Analysis
Hydrazine Sulfate, Crystal, Reagent, A.C.S.
Hydriodic Acid, 47%, Reagent, A.C.S.
Hydrobromic Acid, 48%, Reagent, A.C.S.
Hydrochloric Acid, Reagent
Hydrofluoric Acid, Reagent, A.C.S.
Hydrofluosilicic Acid, 30%, Reagent
Hydrogen Peroxide
Hydroquinone
Hydroxylamine Hydrochloride, Crystal, Reagent, A.C.S.
Indium Fluoborate
Iodine, Reagent, A.C.S. & U.S.P.
Iodine Pentafluoride
Lead Metal, Gran., Reagent, A.C.S.
Lead Acetate, Reagent, N.F. & Tech.
Lead Carbonate, Powder, Reagent, A.C.S.
Lead Fluoride, Purified
Lead Fluoborate
Lead Nitrate, Crystal, Reagent, Purified & Tech.
Lead Tetrafluoride
Lithium Fluoride, Powder, Reagent
Magnesium Metal, Powder
Magnesium Acetate
Magnesium Chloride, Reagent
Magnesium Chromate
Magnesium Fluoride, Purified
Magnesium Nitrate, Reagent & Tech.
Magnesium Oxide, Reagent & U.S.P.
Magnesium Sulfate, Reagent & U.S.P.
Manganese Dioxide, Powder, Reagent
Manganese Trifluoride
Manganous Nitrate, 50% Solution, Reagent
Manganous Nitrate, Soln., Electronic
Manganous Trifluoride
Mercury Metal, Reagent, A.C.S.
Mercuric Acetate, Powder, Reagent
Mercuric Chloride, Reagent
Mercuric Fluoride
Mercuric Iodide, Reagent
Mercuric Nitrate, Reagent
Mercuric Oxide, Powder, Reagent & Purified
Mercurous Nitrate, Crystal, Reagent & Purified
Methyl Alcohol, Acetone Free, Reagent, A.C.S.
Metol
Molybdenum Hexafluoride
Molybdic Acid, 85%, Reagent & Purified
Nickelous Fluoride, Crystal, Tech.
Nickelous Fluoborate
Nitric Acid, Reagent, A.C.S.
Oxalic Acid, Crystal, Reagent, Tech. & Anhydrous
Oxamide, Purified
Peptone, Technical
Perchloric Acid, Reagent
Petroleum Ether, Reagent, A.C.S.
Phosphoric Acid, Reagent, N.F. & Food Grade
Phosphorus Pentoxide, Reagent, A.C.S.
Phosphotungstic Acid
Potassium Acetate
Potassium Bifluoride, Crystal, Tech.
Potassium Biphthalate, Reagent, A.C.S.
Potassium Borate
Potassium Bromide, Crystal, Reagent, A.C.S. & N.F.
Potassium Carbonate, Crystal, Reagent, A.C.S.
N.F. & Dry
Potassium Chloride, Reagent, U.S.P. & Tech.
Potassium Cyanate, Powder, Purified
Potassium Cyanide, Gran., Reagent, A.C.S. & Tech.
Potassium Dichromate, Gran. Reagent & Tech.
Potassium Ferric Fluoride, Powder, Purified
Potassium Ferricyanide, Reagent & Tech.
Potassium Ferrocyanide, Reagent & Tech.
Potassium Fluoborate
Potassium Fluoride, Anhy., Reagent & Purified
Potassium Hydroxide, Reagent & U.S.P.
Potassium Iodate, Reagent, A.C.S. & Purified
Potassium Iodide, Crystal, Reagent & U.S.P.
Potassium Nickel Fluoride
Potassium Nitrite, Crystal, Reagent & Tech.
Potassium Permanganate, Reagent, A.C.S.
U.S.P., & Tech.
Potassium Persulfate, Reagent & Purified
Potassium Phosphate, Reagent & Purified
Potassium Sulfate, Reagent & Purified
Potassium Thiocyanate, Crystal, Reagent,
A.C.S. & N.F.
Potassium Thiosulfate, Purified
Potassium Titanium Fluoride
Potassium Zinc Fluoride
Potassium Zirconium Fluoride
Propyl Alcohol, Iso, Reagent, A.C.S.
Pyridine, Reagent, A.C.S. & Purified
Pyrocatechol, Tech.
Radiochemicals
Rare Earth Oxides & Salts
Selenium Metal
Selenium Hexafluoride
Silicon Tetrafluoride, Gas
Silver Difluoride
Silver Fluoborate
Silver Nitrate, Crystal, Reagent, A.C.S.
Sodium Acetate, Reagent, A.C.S., N.F.,
Anhy. & Tech.
Sodium Bicarbonate, Powder, Reagent, A.C.S.
Sodium Bismuthate, Powder, Reagent, A.C.S.
Sodium Bisulfate, Reagent & Tech.
Sodium Bisulfite, Meta., Anhydrous, Powder,
Reagent
Sodium Calcium Hydrate, Reagent, A.C.S.
Sodium Carbonate, Reagent, A.C.S. & Photo Grade
Sodium Chloride, Reagent, A.C.S. & U.S.P.
Sodium Cyanide, Reagent, A.C.S. & Tech.
Sodium Dichromate, Reagent & Tech.
Sodium Fluoborate, Gran. Tech.
Sodium Fluoride, Powder, Reagent, A.C.S. & Tech.
Sodium Hydroxide, 50% Solution, Reagent
Sodium Hydroxide, Reagent & U.S.P.
Sodium Nitrate, Crystal, Reagent, A.C.S.,
Purified & Tech.
Sodium Peroxide, Reagent, A.C.S.
Sodium Phosphate, Reagent & U.S.P.
Sodium Sulfate, Anhydrous, Reagent & Purified
Sodium Sulfide, Crystal, Reagent, A.C.S. & Purified
Sodium Sulfite, Anhydrous, Reagent, A.C.S. & Purified
Sodium Thiosulfate, Reagent, N.F., Tech. & Anhy.
Sodium Zirconium Fluoride
Stannous Chloride, Crystal, Reagent, A.C.S. & Tech.
Stannous Fluoride
Starch, Soluble, Powder, Reagent, A.C.S.
Strontium Nitrate, Anhy., Reagent
Sulfamic Acid Recrystallized, C.P.
Sulfan® "B" (Sulfuric Anhydride, Stabilized)
Sulfur Hexafluoride, Gas
Sulfuric Acid, Reagent, A.C.S.
Sulfurous Acid, Reagent, A.C.S.
Tartaric Acid, Reagent & N.F.
Tellurium Hexafluoride
Thioacetamide, Reagent
Tin Metal, Reagent
Titanium Tetrafluoride
Toluene (Toluol), Reagent, A.C.S.
Trichloroethylene, Reagent
Tungsten Hexafluoride
Vanadium Catalyst
Xylene, Reagent, A.C.S.
Zinc Metal, Reagent
Zinc Acetate, Reagent & Purified
Zinc Chloride, Reagent, N.F. & Tech.
Zinc Fluoborate
Zinc Oxide, Powder, Reagent, A.C.S.
Zirconium Tetrafluoride

B&A OFFICES

B&A sales offices in key cities throughout the United States and Canada are listed below.

On the staff of each are salesmen with special training and experience in the laboratory and fine chemicals field who can be relied upon to discuss your requirements and problems in a constructive manner.

Albany* • Atlanta* • Baltimore*
Birmingham* • Boston* • Bridgeport*
Buffalo* • Charlotte* • Chicago*
Cleveland* • Denver • Detroit*
Houston* • Jacksonville • Los Angeles*
Milwaukee* • Minneapolis • New York
Philadelphia* • Pittsburgh* • Portland
(Ore.) • Providence • St. Louis*
San Francisco* • Seattle

*Complete stocks carried here and at Baton Rouge, La.; Richmond, Va.; Kennewick, Wash.

ALLIED CHEMICAL CANADA, LTD.
Head Office:
1450 City Councillors St., Montreal 2, Que.

B&A Distributing Stations

*Extensive stocks of Baker & Adamson fine chemicals and laboratory reagents are maintained at General Chemical's own distributing stations in key cities (indicated by asterisks above). At each station, special effort is made to build stocks best suited to local industrial, scientific and educational laboratory needs. Further, supplies of special reagents and fine chemicals required regularly by individual customers are also carried.

B&A MINERAL ACIDS Reagent ("C.P.") A.C.S.

General Chemical has been America's foremost producer of mineral acids for more than half a century. Its Baker & Adamson Reagent Acids and Ammonia represent a combination of this broad manufacturing experience and the most advanced reagent production techniques.

Although they are produced by the carload for process use, all B&A Reagent Acids and Ammonia comply with the exacting specifications of the American Chemical Society governing reagents suitable for careful analytical work.

The company's reagent acid production facilities are located in centers of industry across the country. In addition, extensive stocks of "C.P." acids are carried at General Chemical's nationwide chain of distributing stations.

For further information on Baker & Adamson Reagent, Fine and Special Chemicals, consult the nearest General Chemical Office or write to Baker & Adamson Products, General Chemical Division, Allied Chemical Corporation, 40 Rector St., N. Y. 6, N. Y.

Inorganic Fluorine Compounds

FOR RESEARCH . . . FOR PROCESS USES

With its basic position in hydrofluoric acid and elemental fluorine—and in the raw materials from which they are made—General Chemical is geared to produce virtually any fluorine chemical that industry might require.

Listed here are the inorganic fluorine compounds the company presently offers. Many are produced in carload or other commercial quantities. Others are made in pilot plants or intermittently on a laboratory scale for experimental uses. In addition to those on the list, General Chemical has a number of other fluorine products under investigation as commercial chemicals or as custom-made specialties; thus the company stands ready to serve you well now—and in the future.

Listed elsewhere in this catalogue are comprehensive data on General Chemical's Genetron* organic fluorine compounds . . . another important group of fluorine derivatives supplied by General for industrial and research uses.

When your work indicates need for fluorine chemicals—see General Chemical. With 50 years' experience in the field, we may be able to save you time, money and effort.

For further information on these products, consult the nearest General Chemical Office listed in the Directory Section of this catalogue.

*Reg. Trade Mark

FLUORINE
Elemental Fluorine, Gaseous & Liquid

ACIDS
Fluoboric Acid
Fluosulfonic Acid
Hydrofluoric Acid, Anhydrous
Hydrofluoric Acid, Anhyd. High Purity
Hydrofluoric Acid, Aqueous Tech.
Hydrofluoric Acid, Aqueous, Purif. & Reag.
Hydrofluoric Acid, Electronic

ACID FLUORIDES
Ammonium Bifluoride
Potassium Bifluoride
Sodium Bifluoride

ALKALI FLUOBORATES
Ammonium Fluoborate
Potassium Fluoborate
Sodium Fluoborate

ALKALI FLUORIDES
Ammonium Fluoride
Potassium Fluoride, Cryst. & Anhyd.
Sodium Fluoride, Tech.
Sodium Fluoride, Reagent

DOUBLE FLUORIDES
Chromium Potassium Fluoride
Potassium Ferric Fluoride
Potassium Nickel Fluoride
Potassium Titanium Fluoride
Potassium Zinc Fluoride
Potassium Zirconium Fluoride
Sodium Zirconium Fluoride
Sodium Silico Fluoride
Potassium Aluminum Fluoride

HALOGEN FLUORIDES
Bromine Trifluoride
Bromine Pentafluoride
Chlorine Trifluoride
Iodine Pentafluoride

METAL FLUORIDES
Aluminum Fluoride
Aluminum Fluoride, Crystal
Antimony Trifluoride
Antimony Pentafluoride
Barium Fluoride
Cadmium Fluoride
Calcium Fluoride
Chromium Trifluoride
Cupric Fluoride
Lead Tetrafluoride
Magnesium Fluoride (Not Optical Grade)
Mercuric Fluoride
Manganese Trifluoride
Molybdenum Hexafluoride
Nickelous Fluoride
Selenium Hexafluoride
Silicon Tetrafluoride
Silver Difluoride
Stannous Fluoride
Strontium Fluoride
Titanium Tetrafluoride
Tellurium Hexafluoride
Tungsten Hexafluoride
Zirconium Tetrafluoride

NON-METALLIC FLUORIDES
Boron Fluoride Gas
Boron Fluoride Diacetic Acid Complex
Boron Fluoride Di-n-Butyl Ether Complex
Boron Fluoride Dihydrate
Boron Fluoride Ether (Diethyl) Complex
Boron Fluoride Ethyl "Cellosolve" Complex
Boron Fluoride Hexamethylenetetramine Complex
Boron Fluoride Monoethylamine Complex
Boron Fluoride Monohydrate
Boron Fluoride Para-cresol Complex
Boron Fluoride Phenol Complex
Boron Fluoride Piperidine Complex
Boron Fluoride Triethanolamine Complex
Boron Fluoride Urea Complex
Sulfur Hexafluoride

METAL FLUOBORATE SOLUTIONS
Cadmium Fluoborate
Chromium Fluoborate
Cobalt Fluoborate
Copper Fluoborate
Ferrous (Iron) Fluoborate
Indium Fluoborate
Lead Fluoborate
Nickel Fluoborate
Silver Fluoborate
Stannous (Tin) Fluoborate
Zinc Fluoborate

Allied Chemical

GENERAL CHEMICAL DIVISION
40 Rector Street, New York 6, N.Y.

genetron® Organic Fluorine Compounds

"Genetrons" are an important series of organic fluorine compounds developed by General Chemical to serve the needs of modern industry and commerce. Listed below are those presently available in commercial, semi-commercial or experimental quantities. For further information, write "Genetron" Dept., General Chemical Division, Allied Chemical Corporation.

FLUOROMETHANES

Trichloromonofluoromethane CCl_3F
Dichlorodifluoromethane CCl_2F_2
Monochlorodifluoromethane $CHClF_2$
Trifluoromethane (Fluoroform) CHF_3
Monochlorotrifluoromethane $CClF_3$
Dichloromonofluoromethane $CHCl_2F$

FLUOROETHANES

Trichlorotrifluoroethane $CF_2Cl{\cdot}CFCl_2$
Dichlorotetrafluoroethane $CClF_2FCF_3$
Monochlorodifluoroethane CH_3CClF_2
Tetrachlorodifluoroethane CCl_2FCCl_2F
Difluoroethane (Ethylidene Fluoride) $CH_3{\cdot}CHF_2$
Monochloropentafluoroethane $CClF_2{\cdot}CF_3$

FLUOROETHYLENES

Trifluorochloroethylene $CClF = CF_2$
Difluoroethylene (Vinylidene Fluoride) $CH_2 = CF_2$
Dichlorodifluoroethylene $CCl_2 = CF_2$

FLUOROBROMOETHANE

Dibromodifluoroethane $CH_2Br{\cdot}CBrF_2$

OTHER FLUORO ORGANICS

Perfluoropropane C_3F_8
Chloro Fluoro Acetic Acids
Chloro Fluoro Acetones

These aliphatic fluoro- and fluorochloro-compounds are used in some of the following applications and are under investigation for many more.

(1) REFRIGERANTS: "Genetron" Super-Dry Refrigerants are noteworthy for their high quality and extremely low moisture content. They are used as refrigerants in practically every type of household, commercial and industrial refrigeration and air conditioning equipment.

(2) AEROSOL PROPELLANTS: General Chemical offers an extensive line of "Genetron" propellants. They are ideally suited for formulating virtually every type of aerosol product: household, drug, cosmetic, agricultural, industrial and others.

(3) OTHER USES: Solvents for low temperature reactions. Selective solvents in the separation of organic mixtures. Monomers in the manufacture of fluorinated plastics.

genetron® 11 CCl_3F

Refrigerant in industrial and commercial refrigeration and air conditioning systems utilizing single or multi-stage centrifugal compressors; also for direct or indirect expansion-type systems. When mixed with "GENETRON" 12, "GENETRON" 11 also has a major application as an aerosol propellant.

genetron® 12 CCl_2F_2

The most widely used of organic fluorine refrigerants. "GENETRON" 12 has applications in virtually all types of refrigeration and air conditioning equipment, both large and small, household and industrial, direct and indirect expansion systems. Alone or in combination with other "Genetrons," "GENETRON" 12 has major application as a propellant for aerosols. Other uses: in wind tunnel testing; halogen leak testing; charging special thermometers; as a dielectric gas.

genetron® 22 $CHClF_2$

Used in reciprocating compressors for package type air conditioners, home freezers, and industrial processes requiring a lower-temperature refrigerant. Also used in propellants for aerosols. Other uses: as a low temperature vehicle for clay slurries; charging thermometers.

genetron® 113 $CF_2Cl{\cdot}CFCl_2$

Refrigerant in 25-ton and larger centrifugal compressors. In aerosols, blended with "GENETRON" 12 for use with dry powders and foam formulations. Other uses: as a solvent alone and in mixtures; thermometer charging; in organic synthesis.

genetron® 114a CCl_2FCF_3

Refrigerant in centrifugal and rotary compressors for commercial, industrial and household uses. As an aerosol propellant, used principally in combination with "GENETRON" 12 for formulations which contain water—such as shave lathers and other foam products.

genetron® 152a $CH_3{\cdot}CHF_2$

Useful in both refrigerant and aerosol applications.

genetron® 142b CH_3CClF_2

Used as an aerosol propellant for cosmetic formulations such as perfumes where it provides excellent odor stability. Blended with other "Genetrons" for special applications.

genetron® 13 $CClF_3$

Especially designed as a refrigerant for low temperature applications in the −50° to −150°F range. It is used as the low temperature refrigerant in certain cascade systems.

genetron® 132b $B_2CH_2Br{\cdot}CBrF_2$

Flame extinguishing ability, high density and relatively low vapor pressure suggest use as a fire extinguisher tailored for use at higher than ordinary service temperatures.

genetron® 1113 $CClF{=}CF_2$

Major use of "GENETRON" 1113 is in the manufacture of its high polymer, a thermoplastic distinguished by great chemical and thermal stability, and transparency in thin sections. "GENETRON" 1113 can also be polymerized to low molecular weight greases, oils and waxes. These low polymers have been used to plasticize the high molecular weight plastic. Where highly corrosive materials are encountered, the low polymers have found use as lubricants for valve stems and pumps, in gaskets and packing, and as a hydraulic fluid, "GENETRON" 1113 also has uses as a chemical intermediate.

genetron® 1132a $CH_2{=}CF_2$

Many interesting new polymers have been prepared from "GENETRON" 1132a. Also, other olefinic reactions can provide methods of synthesizing new chemicals.

genetron® 1112a $CCl_2{=}CF_2$

Can be polymerized to a variety of products. Furthermore, the olefinic nature of the compound provides an intermediate for the synthesis of new chemicals of potential value.

Allied Chemical

GENERAL CHEMICAL DIVISION

40 Rector Street, New York 6, N.Y.

Look at all the products and



How to put extra profit in your product picture

Here's how you can get faster molding cycles at lower cost with maximum sales appeal — use A-C Polyethylene! It means less inventory, too, with a wide range of "tailor-made" melt indices at your fingertips.

Added in the color-blending operation, A-C Polyethylene speeds up production cycles... cutting production costs... gives products glossy finish, brilliant color, and excellent color dispersion. Usually no additional equipment is needed.

A-C Polyethylene in waxes imparts toughness and reduces slip. In paints and inks it increases mar and scuff resistance, makes color brighter. In dairy cartons and food wrappers it makes for superior coatings and finishes. For textile finishing, A-C Polyethylene is proving itself in superior wash and wear finishes at a practical cost.

A-C Polyethylene may well be able to improve your *product* picture... your *profit* picture! For more information on this versatile resin and its applications, write or phone Semet-Solvay Petrochemical Division, Dept. CWBG, 40 Rector St., N.Y. 6, N.Y.

processes benefited by A-C® Polyethylene

DID YOU KNOW . . .

Injection molding of polyethylene is improved in many ways by proper blending with low molecular weight A-C Polyethylene. This easy-to-use polymer assists as a color carrier and mold release agent. It improves the flow of the mix for easier filling of the mold and provides better release. It controls gloss of the molded item. Such a mix needs less pressure to fill the mold and gives faster production rates. You're adding "Polyethylene to Polyethylene" when you use A-C Polyethylene. Its widespread use by our customers can be traced to its many benefits—as well as continued satisfaction and fine service.

For stress crack safety . . .

If you need a high melt index resin for desired flow, you can tailor-make your desired melt index by blending A-C Polyethylene with low melt index resin, and obtain greater stress crack protection than the comparable unblended high melt index resin alone affords.

Petroleum wax . . . Paper and paperboard coatings are upgraded with A-C Polyethylene. When it is added to petroleum, the hardness, chemical and abrasion resistance of the coatings are improved. These blends have high blocking points, good gloss and low viscosity. The A-C Polyethylene can also be coated directly or blended with high molecular weight polyethylenes for better crease properties, flexibility and chemical resistance.

Polishes, both paste and liquid, are dramatically upgraded when A-C Polyethylene is used. Liquid polishes and paste waxes show increased durability, gloss and non-slip properties. Water spot resistance, improved performance under wet-traffic conditions, flexibility, and buffability are other premium characteristics attainable with A-C Polyethylene. Better appearance in the container and a faster setting time are some benefits from using A-C Polyethylene in paste polishes.

Textile finishes containing Emulsifiable A-C Polyethylene are remarkably improved and a combination of highly desirable properties is imparted. These include: higher abrasion resistance, increased tear strength, reduced needle cutting, improved sewability, and better wash-wear finishes in a wide range of desirable hand properties. These A-C Polyethylene finishes are being used on all types of fibres.

Ink and paint manufacturers are strong boosters of A-C Polyethylene. It adds anti-smudge and scuff-resistance characteristics to their products. Printing on shipping cartons remains sharp and clear despite rough handling and stacking.

Slush molding, one of the latest developments in polyethylene processing, offers a low-cost method of molding.

Plastic pipe resin, designed to extrude a superior polyethylene pipe, gives exceptional service to chemical and food processing installations as well as cold water applications of all types. A-C Polyethylene pipe compound exhibits extreme toughness, heat resistance, chemical resistance, surge pressure resistance with no stress cracking under any operating conditions. This means a longer service life with economies in installation and maintenance for a wide range of piping problems. For further information on this pipe resin, contact, direct, the Semet-Solvay Petrochemical Division office.

A-C Polyethylene emulsions—can be used as paper size, asphalt shingle coating, mold release lubricant, and glass coating.

Physical and chemical properties and applications of all grades of A-C Polyethylene are included in a complete bulletin now available from Semet-Solvay Petrochemical Division.

For further information on the items mentioned above, call or write the office nearest you.

A-C Polyethylene is available from sales offices and warehouses strategically located throughout the U. S. Check your local classified telephone directory.

SALES OFFICES

Semet-Solvay Petrochemical Division
Allied Chemical Corporation
40 Rector Street, New York 6, N. Y.
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GRANULAR	specific for tablet manufacture. Free-flowing and easily compressed without adding lubricants or diluents.
TECHNICAL GRADE	especially prepared for use in creams, ointments, lotions and other products of the cosmetics industry.
VETERINARY GRADE	a neomycin sulfate of uniformly superior quality, ideally suited to veterinary use, free from udder irritation.
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BORAX Sodium Tetraborate, technical 99.5% $Na_2B_4O_7 \cdot 10H_2O$. Grades: coarse and fine granular, powdered.

V-BOR® Refined pentahydrate borax, technical 99.8% $Na_2B_4O_7 \cdot 5H_2O$, 47.5% B_2O_3; a concentrated and refined grade of sodium tetraborate.

TRONABOR® Crude pentahydrate borax $Na_2B_4O_7 \cdot 5H_2O$; agricultural 46% B_2O_3 Minimum.

PYROBOR® Dehydrated borax, technical 99% $Na_2B_4O_7$, 68.5% B_2O_3. Grades: standard and fine granular.

BORIC ACID Orthoboric or boracic acid, technical 99.8% H_3BO_3. Grades: granular, powdered, technical & U.S.P.

SODIUM PENTABORATE Technical 98.3% $Na_2B_{10}O_{16} \cdot 10H_2O$, 58% B_2O_3 minimum; granular.

BORO-SPRAY® High solubility agricultural borate. Contains sodium pentaborate.

BORIC ACID ANHYDROUS Boric Oxide, high purity; minimum 98.5% B_2O_3. Grades: flake, 10-20 mesh, 20 mesh, 60 mesh.

BORON Elemental Amorphous, high purity. Grades: standard 90-92%, special grades.

Bromine Chemicals

BROMINE Technical 99.5% Br_2 minimum.

ETHYLENE DIBROMIDE $(CH_2Br)_2$ technical.

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AMMONIUM PERCHLORATE 99.5% NH_4ClO_4. Grades: technical and ordnance.

MANGANESE DIOXIDE Electrolytic battery-active grade.

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MURIATE OF POTASH Potassium chloride, agricultural and industrial grades 95-98% KCl (60% K_2O minimum), regular and granular; Chemical grade (99.9% KCl minimum); U.S.P.

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SODA ASH Sodium carbonate, technical 58% Na_2O. Grades: granular and fine granular.

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REFRIGERANT-114 Supplied in 1 lb. disposable Charg-A-Cans* containers; also in 10, 25 and 150 lb. cylinders.

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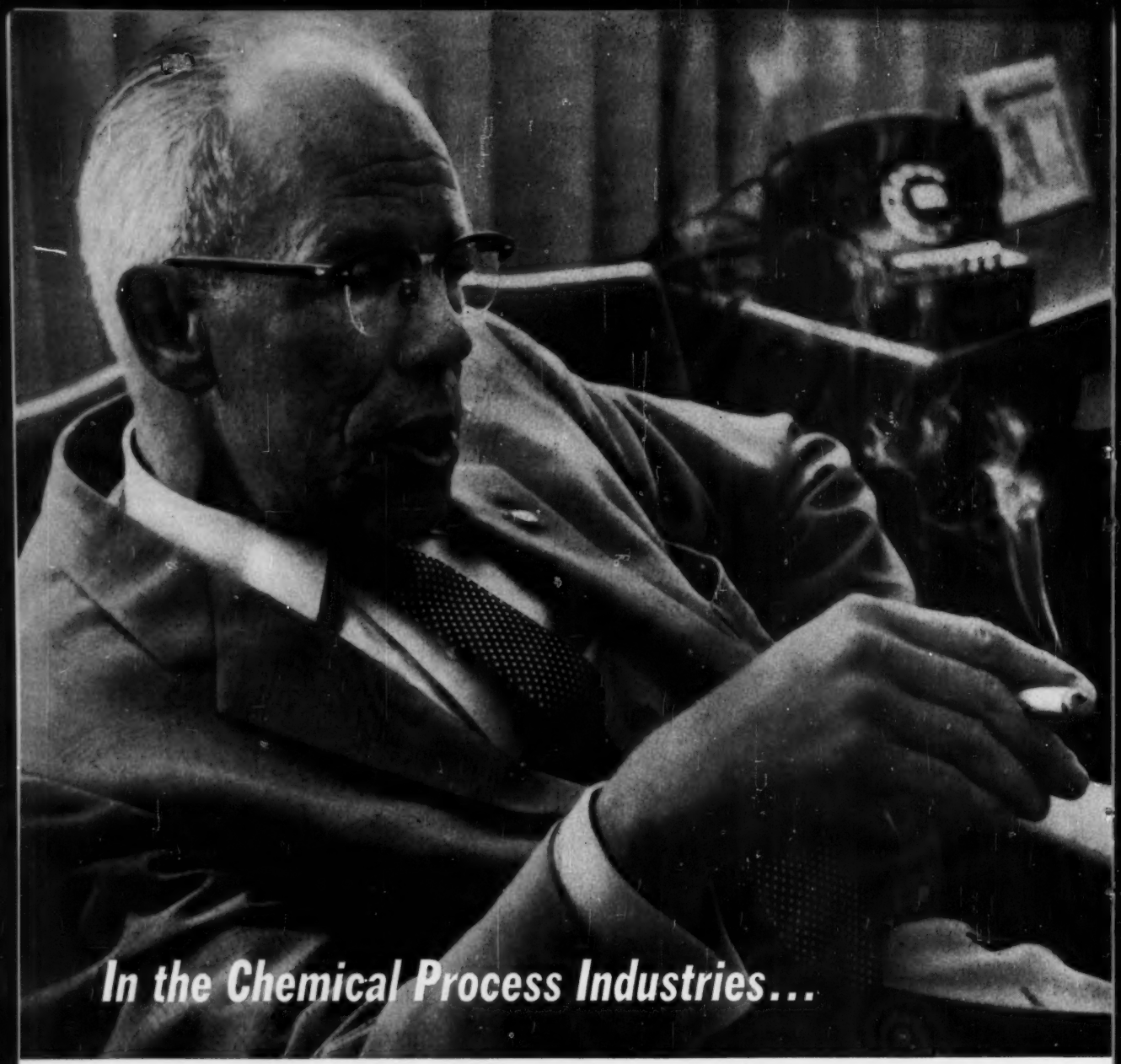
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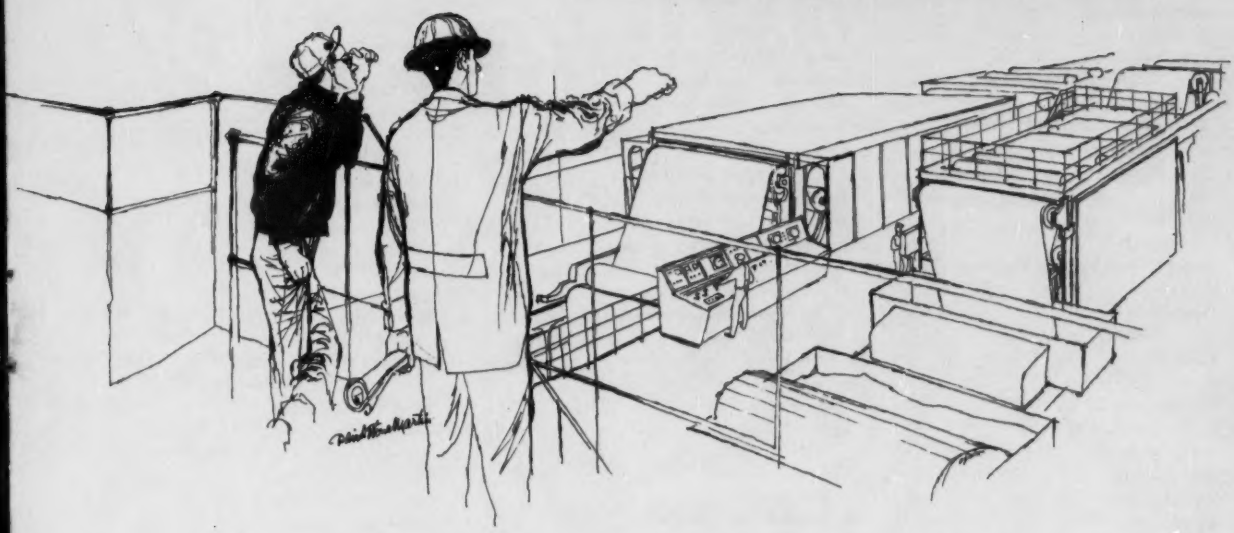
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A brief, alphabetical listing of leading Allied Chemical products— and where you can buy them. Turn this page to see what our divisions make for your product or process.

Allied Chemical

SOME OF THE 3000 PRODUCTS FROM ALLIED CHEMICAL DIVISIONS

DIVISION ABBREVIATIONS	Bar—Barrett Division • Gen—General Chemical Division • Natl—National Aniline Division • Nit—Nitrogen Division Plas—Plastics and Coal Chemicals Division • Sem—Semet-Solvay Division • Sol—Solvay Process Division

A

Accelerator, concrete—Sol
Accelerators for polyesters—Natl
Acetamide—Gen
Acetates—Gen
Acetic Acid—Gen
Acetone—Plas
Acetophenone—Plas
Acetyl chloride—Gen
Acetylenedicarboxylic acid, monopotassium salt—Natl
Acid, acetic—Gen
Acid, acetylenedicarboxylic, monopotassium salt—Natl
Acid, adipic—Natl
Acid, p-aminobenzoic—Natl
Acid, p-aminohippuric—Natl
Acid, 2,4'-benzophenone dicarboxylic—Natl
Acid, Broenner's—Natl
Acid, chromic—Sol
Acid, m-dimethylaminobenzoic—Natl
Acid dyes—Natl
Acid, fluoboric—Gen
Acid, fluosulfonic—Gen
Acid, fumaric—Natl
Acid, H—Natl
Acid, hydrochloric—Gen
Acid, hydrofluoric—Gen
Acid, malic—Natl
Acid, mixed—Gen
Acid, muriatic—Gen
Acid, nitric—Gen
Acid, oxalic—Gen
Acid, perchloric—Gen
Acid, phosphoric—Gen
Acid, phthalaldehydic—Natl
Acid, succinic—Natl
Acid, sulfuric—Gen
Acids, cresylic—Plas
Acrylic and nitro-cellulose lacquers, HARMON pigments for—Natl
Acrylic dyes, NABOR—Natl
Adipic acid—Natl, Plas
Aerosol propellants—Sol
Aerosol propellants, GENETRON—Gen
After-treatment, ERIEFORM direct-formaldehyde—Natl
After-treatment of nylon, DEEPSET Salt L—Natl
Air drying chemicals—Sol
Air entrainment agent in concrete and plasterboard, NACCONOL NR—Natl
Alkali fluoborates—Gen
Alkalies—Sol
Alkyd molding compounds—Plas
Alkyd resin enamels, HARMON pigments for—Natl
Alkyd resins—Plas
Alkyd resins, styrenated—Plas
Alkyl benzene (detergent precursor)—Natl
Alkyl benzene (plasticizer)—Plas
Alpha methylstyrene—Plas
Aluminum chloride, anhydrous—Sol
Aluminum chloride solution—Gen
Aluminum fluoride—Gen
Aluminum nitrate—Gen
Aluminum sulfate—Gen
Alums—Gen
p-Aminobenzoic acid—Natl
p-Aminohippuric acid—Natl
Ammonia alum—Gen
Ammonia, aqua—Gen
Ammonia, aqua and anhydrous—Nit
Ammonia liquor—Nit
Ammonia liquor plants—Sem
Ammonium acetate—Gen
Ammonium bicarbonate—Sol
Ammonium bichromate—Sol
Ammonium chloride—Sol
Ammonium fluoborate—Gen
Ammonium nitrate—ammonia solution, NITRANA—Nit
Ammonium nitrate limestone, A-N-L—Nit
Ammonium nitrate, pelleted—Nit
Ammonium nitrate solution—Nit
Ammonium nitrate solution, (non-pressure), FERAN—Nit
Ammonium nitrate-urea-ammonia solution, URANA—Nit
Ammonium oxalate—Gen
Ammonium polysulfide—Gen
Ammonium sulfate—Nit
Ammonium sulfate, purified—Gen
Ammonium thiosulfate—Gen
Anhydrous ammonia—Nit
Aniline—Natl
Aniline, derivatives of—Natl
Anthracene—Plas
Anthraquinone vat dyes, CARBANTHRENE—Natl
Antioxidants—Natl
Antireductant, NACAN—Natl
Antiskinning agents and antioxidants—Natl
Antiskinning agents, ANTIOXIDANT B and D, NATIONAL ASA—Natl
Aramite formulations—Gen
Arsenates—Gen
Arsenicals—Gen
Asbestos-cement siding shingles—Bar
Asphalt felts—Bar
Asphalt, road—Bar
Asphalt roll roofings and sidings—Bar
Asphalt, roofing—Bar
Asphalt shingles, ANCHOR-LOK, BROAD SHADOW, DUBLECOTE MULTI-SHINGLES, DURA-LOK, EVER-FAST, RANCHLINE, STORM KING—Bar
Azo pigment dyes, NACROSOL—Natl
Azoic bases and salts—Natl
Azoic dyes, NACCOGENE stabilized—Natl

B

Barium acetate—Gen
Benzol—Plas
Benzol recovery plants—Sem
2,4'-Benzophenone dicarboxylic acid—Natl
BHC (Benzene hexachloride) tech. and formulations—Gen
Biological stains—Natl
Bituminous cements—Bar
Bituminous coatings—Bar, Plas
Bituminous concrete, TARVIA-LITHIC—Bar
Bituminous gel, TARVIA—Bar
Bituminous paints, EVERJET and ETERNIUM—Bar
Bleaching chemicals—Sol
Boron trifluoride complexes—Gen
Boron trifluoride gas—Gen
Bottle washing compounds, ACE ALKALI, ANCHOR ALKALI, SUPERSHEEN—Sol
Broenner's acid—Natl
N-Bromosuccinimide—Natl
Brush killers—Gen
Building materials—Bar
Building papers—Bar
Built-up roofing materials—Bar
Butadiene (crude)—Sem
Butyraldoxime—Natl
By-product plants and facilities (coal and coke)—Sem

C

Cadmium nitrate—Gen
Calcium acetate—Gen
Calcium arsenate—Gen
Calcium chloride—Sol
Calcium malate, normal—Natl
Calcium succinate—Natl
Carbon pitch—Plas
Carbon tetrachloride—Sol
Caustic potash—Sol
Caustic soda—Sol
Cement, bituminous—Bar
Cements, roof—Bar
Chlorine—Sol
Chlorine trifluoride—Gen
Chlorobenzenes—Sol

Chloroform—Sol
Chloromethanes—Sol
N-Chlorosuccinimide—Natl
Chromic acid—Sol
Chromium chemicals, MUTUAL—Sol
Chromium potassium sulfate—Gen
Cleansing compounds—Sol
Cleansing soda X, XX cleansing compounds—Sol
Coal chemicals plants and facilities, WILPUTTE—Sem
Coal handling facilities—Sem
Coal-tar creosote wood preservative—Plas, Bar
Coal-tar saturated pipeline felt and fabrics—Plas
Coal, TRALEE smokeless—Sem
Coating resins—Plas
Coating resins, polyethylene—Sem
Coatings—Bar
Coatings and finishes, polyethylene—Sem
Coatings, bituminous—Plas, Bar
Coatings, industrial—Plas, Bar
Coke—Sem
Coke handling facilities, WILPUTTE—Sem
Coke oven machinery, WILPUTTE—Sem
Coke ovens and coal chemicals plants, WILPUTTE—Sem
Colors, certified (Food, Drug & Cosmetic)—Natl
Creosote—Plas, Bar
Cresols—Plas
Cresylic acids—Plas
Cumene—Plas
Cumylphenol—Plas
Cupric acetate—Gen
Cupric fluoborate—Gen
Cupric nitrate—Gen
Cuprous chloride—Gen
Curing agents for epoxy resins—Natl
Cyclohexanol, NAXOL—Natl
Cyclohexanone, NADONE—Natl
Cyclohexanone oxime—Natl

D

DDT tech. and formulations, GENITOX—Gen
Dephenolizing plants, WILPUTTE—Sem
Detergent, LATHANOL LAL—Natl
Detergent, NACCOLENE A CONC.—Natl
Detergent, NACCOLENE oil soluble—Natl
Detergent, NACCONOL—Natl
Detergent precursor—alkyl benzene—Natl
Developed dyes, DIAZINE—Natl
3,3'-Dichlorobenzidine hydrochloride—Natl
Diethanolamine—Nit
Diethylene glycol—Nit, Plas
1,6'-Dihydroxynaphthylene—Natl
Diisocyanates for urethane products, NACCONATE—Natl
Dimethylamino-4-hydroxy-1-methylbenzene—Natl
m-Dimethylaminobenzoic acid—Natl
Dimethylaniline—Natl
Direct dyes, ERIE—Natl
Direct dyes, NIAGARA—Natl
Disodium phosphate, anhydrous—Gen
Disperse dyes, NACELAN—Natl
Dispersing agent, NACCOTAN—Natl
Dispersions, HARMON cellulose acetate powder—Natl
Dispersions, HARMON gold paste (ferric hydroxide)—Natl
Dispersions, HARMON pigmented—Natl
Dispersions, HARMON vinyl powder—Natl
Dispersions, HARMON water dispersed paste—Natl
Dodecenyl succinic anhydride—Natl
Dust palliatives—Sol
Dye assistant for wool and nylon, ACONYL PW—Natl
Dye fixative for rayon, NACCUFIX—Natl
Dye intermediates—Natl
Dyes for anodized aluminum, NATIONAL—Natl
Dyes, CARBANTHRENE anthraquinone vat—Natl
Dyes for cellophane, NATIONAL basic—Natl
Dyes for cellophane, NATIONAL spirit soluble—Natl
Dyes, CHROMOLAN premetalized acid—Natl
Dyes, cosmetic—Natl
Dyes, DIAZINE developed—Natl
Dyes, drug—Natl
Dyes, ERIE direct—Natl
Dyes, food—Natl
Dyes for gasoline—Natl
Dyes for insecticides, NATIONAL—Natl
Dyes, IOSOL solvent soluble—Natl
Dyes, LANAMID premetalized neutral—Natl
Dyes, medicinal—Natl
Dyes, NABOR acrylic—Natl
Dyes, NACELAN disperse—Natl
Dyes, NACROSOL azo pigment—Natl
Dyes, NATIONAL—Natl
Dyes, NATIONAL paper—Natl
Dyes, NIAGARA direct—Natl
Dyes, SOLANTINE fast-to-light direct—Natl
Dyes, SOLVAT leuco vat ester—Natl
Dyes, SULFINDONE sulfur—Natl
Dyes, SUPERCHROME mordant acid—Natl

E

Emulsifiable polyethylene—Sem
Emulsifiers, NACCONOL—Natl
Enamels, pipeline—Plas
Engineering gas producing equipment—Sem
Engineering services, SEMET-SOLVAY engineering and WILPUTTE—Sem
Epsom salt—Gen
Ethanolamines—Nit
Ethyl methyl ketoxime—Natl
Ethylbenzene—Plas
Ethylene glycols—Nit
Ethylene oxide—Nit
Extrusion compounds—Plas

F

Feed mixture, PROCADIAN urea—Nit
Felts, roofing—Bar
Felts, SPECIFICATION—Bar
Ferrous ammonium sulfate—Gen
Fertilizer, 12-12-12—Nit
Fertilizer materials, ARCADIAN—Nit
Fiber pitch—Plas
Fibreboard products—Bar
Filament yarns, CAPROLAN polyamide—Natl
Fine chemicals, BAKER & ADAMSON—Gen
Finishes and coatings, polyethylene—Sem
Flotation agents—Plas
Fluoborates—Gen
Fluoborates, alkali—Gen
Fluoborates, metal—Gen
Fluoboric acid—Gen
Fluoride, aluminum—Gen
Fluoride, sodium—Gen
Fluorides—Gen
Fluorinated hydrocarbons—Gen
Fluorine, gas and liquid—Gen
Fluorocarbons—Gen
Fluoro polymer plastic, GENETRON—Gen
Fluosulfonic acid—Gen
Foaming agent, LATHANOL LAL—Natl
Foaming agents—Natl
Food dyes—Natl
Formaldehyde—Nit
Foundation coatings, HYDRONON—Bar
Foundry coke—Sem
Foundry resins—Plas
Fumaric acid—Natl
Fungicides—Sol
Fungicide, GENICOP, DDT-copper—Gen
Fungicide, ORCHARD BRAND—Gen
Furnace coke—Sem

G

Gas, coke oven—Sem
Gas condensing systems—Sem
Gas cooling equipment—Sem
Gas producing facilities—Sem
Gas purification plants—Sem
Giant weight MULTI-SHINGLES—Bar
Glaubers salt—Gen
Glycols—Plas
Glycols, ethylene—Nit
Growth regulants—Gen
Gypsum products—Bar

H

H acid—Natl
Heavy yarns, CAPROLAN polyamide—Natl
Herbicide, HCA—Gen
Herbicide, UROX—Gen
Hexahydrophthalic anhydride—Natl
High density modified fluorocarbon molding resin—Gen
High density polyethylene molding resin—Sem
Hot actification gas purification plants, WILPUTTE—Sem
Hydrochloric acid—Gen
Hydrofluoric acid—Gen
Hydrogen peroxide—Sol
m-Hydroxybenzaldehyde—Natl

I

Indicators, pH and oxidation-reduction—Natl
Industrial coatings—Plas
Industrial cokes—Sem
Industrial solvents—Plas
Ink additives, polyethylene—Sem
Insecticide, GENITE—Gen
Insecticide, KEPONE—Gen
Insecticides—Sol
Insecticides, ORCHARD BRAND—Gen
Insulating board products—Bar
Insulating board, roof—Bar
Insulation, rock wool—Bar
Iron sulfide—Gen
Isatin—Natl

K

Kier boiling assistant, NACAN—Natl

L

Laboratory reagents—Gen
Lath, gypsum—Bar
Laundry alkali, SUPERBILD—Sol
Lead acetate—Gen
Lead arsenate—Gen
Lead fluoborate—Gen
Lead nitrate—Gen
Leather tanning chemicals—Sol
Leuco vat ester, SOLVAT—Natl
Light oil recovery plant, WILPUTTE—Sem
Linoleum, HARMON pigments for—Natl
Lubricants, A-C polyethylene—Plas

M

Maleic anhydride—Natl, Plas
Maleic hydrazide—Gen
Maleic resins—Plas
Malic acid—Natl
Manganous nitrate—Gen
Melamine molding compound—Plas
Melamine resins—Plas
Mercuric chloride—Gen
Metal fluoborates—Gen
Metallic nitrates—Gen
Methanol—Nit
Methyl chloride—Sol
Methyl NADIC anhydride—Natl
Methylene chloride—Sol
Mite spray, GENITE—Gen
Mixed acid—Gen
Modified phenolic resins—Plas
Mold release agent, POLY-LEASE 77—Plas
Molding compound, alkyd—Plas
Molding compound, melamine—Plas
Molding compound, nylon—Plas
Molding compound, urea—Plas
Molding resin, high density polyethylene—Sem
Monochlorobenzene—Sol
Monoethanolamine—Nit
Mordant acid dyes, SUPERCHROME—Natl
Mordant, ALIZAROL—Natl
Mordant, NACCOTAN—Natl
Muriatic acid—Gen

N

Naphthalene—Plas
Naphthalene, POLAR refined—Plas
Naphthalene recovery equipment—Sem
Naphthols, NATIONAL—Natl
Naphthylamines—Natl
Nematicides—Gen
Neutral tar oils—Plas
Niacin—Plas
Nickel fluoborate—Gen
Nickel nitrate—Gen
Nitrate of soda—Nit
Nitrates—Gen
Nitrates, metallic—Gen
Nitrating acid—Gen
Nitric acid—Gen
m-Nitrobenzaldehyde—Natl
Nitrobenzene—Natl
Nitrogen tetroxide—Nit
Nitrotoluenes and derivatives—Natl
Nylon molding and extrusion compounds—Plas
Nylon textile fibers, CAPROLAN—Natl

O

Oil and gas plants, engineering for—Sem
Oleum—Gen
Optical pitch—Plas
Organic chemicals and solvents—Natl
Organic pigments, HARMON—Natl
Ortho-dichlorobenzene—Sol
Oxalates—Gen
Oxalic acid—Gen
Oxide gas purification, SEMET-SOLVAY ENGINEERING—Sem
Oxidizing agents—Sol

P

Paint additives, polyethylene—Sem
Paints, protective—Bar
Panels, plastic—Bar
Paper, HARMON pigments for—Natl
Paradichlorobenzene—Sol
Paving materials, TARVIA-LITHIC bituminous concrete—Bar
Paving materials, TARVIA bituminous gel—Bar
Pentadiene—Sem
Perchloric acid—Gen
Pharmaceutical intermediates—Natl
Phenol—Plas
Phenol recovery plant, WILPUTTE—Sem
Phenolic resins—Plas
Phenolic resins, modified—Plas
m-Phenylenediamine—Natl
Phosphates—Gen
Phosphoric acid—Gen
Phthalaldehydic acid—Natl
Phthalazone—Natl
Phthalic anhydride—Natl, Plas
Phthalide—Natl
Phthalimide—Natl
Phthalocyanine pigments, SOLASTRAL—Natl
Phthalonitrile—Plas
Phygon fungicide—Gen
Pickling inhibitors—Plas
Pigments, HARMON alizarine maroon—Natl
Pigments, HARMON anthraquinone blue—Natl
Pigments, HARMON arylamide or naphthol red—Natl
Pigments, HARMON benzidine yellow—Natl
Pigments, HARMON B.O.N. maroon and red—Natl
Pigments, HARMON chlorinated nitranaline red—Natl
Pigments, HARMON dianisidine blue and orange—Natl
Pigments, HARMON fanchon yellow—Natl
Pigments, HARMON indo red, yellow and orange—Natl
Pigments, HARMON lithol rubine red—Natl
Pigments, HARMON madder lake red—Natl
Pigments, HARMON methyl-molybdated violet—Natl
Pigments, HARMON methyl-tungstated violet—Natl
Pigments, HARMON organic—Natl
Pigments, HARMON para red—Natl
Pigments, HARMON phthalocyanine blue and green—Natl
Pigments, HARMON pigment green—Natl
Pigments, HARMON pigment scarlet red—Natl
Pigments, HARMON pyrazolone red and orange—Natl
Pigments, HARMON red lake C and R—Natl
Pigments, HARMON rhodamine-tungstated red—Natl
Pigments, HARMON specialty violet and orange—Natl
Pigments, HARMON thio-indigoid maroon—Natl
Pigments, HARMON toluidine maroon and red—Natl
Pigments, HARMON victoria-tungstated blue—Natl
Pigments, NATIONAL—Natl
Pipe compound, high density polyethylene—Sem
Pipeline enamels—Plas
Pipeline felt and fabrics, coal-tar saturated—Plas
Pipes and valves—Sem
Pitch, aluminum—Plas
Pitch, carbon—Plas
Pitch, core—Plas
Pitch, fiber—Plas
Pitch, optical—Plas
Pitch, roofing—Bar
Pitch solubilizer, NACCOTAN A—Natl
Pitch, taphole—Plas
Pitch, target—Plas
Pitch, waterproofing—Bar
Plank, insulating—Bar
Plants, SEMET-SOLVAY packaged—Sem
Plants, WILPUTTE coal chemicals—Sem
Plastic panels—Bar
Plasticizers, ELASTEX—Plas
Plastics, A-C polyethylene—Sem
Plastics, HARMON pigments for—Natl
Plastics, PLASKON—Plas
Plating and stripping compound, COMPOUND 685—Natl
Plating chemicals, chromium—Sol
Plating chemicals, fluoborate—Gen
Polish, polyethylene—Sem

Polyamide fibers, CAPROLAN—Natl
Polyester resins—Plas
Polyethylene for coatings and finishes—Sem
Polyethylene lubricants, A-C—Plas
Polyethylene, emulsifiable—Sem
Polyethylene, high density molding resin—Sem
Polyethylene, high density pipe compound—Sem
Polyethylene, hot melt—Sem
Polyethylene, low molecular weight resin—Sem
Polyethylene, powdered—Sem
Polyethylenes, A-C—Sem
Potash alum—Gen
Potassium acetate—Gen
Potassium acetylene dicarboxylate—Natl
Potassium bichromate—Sol
Potassium bifluoride—Gen
Potassium carbonate—Sol
Potassium chromate—Sol
Potassium chromium sulfate—Gen
Potassium fluoborate—Gen
Potassium fluoride—Gen
Potassium nitrite—Gen
Potassium sulfate—Gen
Potassium tetraborate—Gen
Potassium titanium fluoride—Gen
Potassium zirconium fluoride—Gen
Printing inks, HARMON pigments for—Natl
Propylene—Sem
Protective paints and coatings—Plas, Bar
Pyridine recovery plants—Sem

R

Reagents, BAKER & ADAMSON—Gen
Rectangular shingles—Bar
Refined tar—Bar, Plas
Refrigerant, ammonia—Nit
Refrigerants, GENETRON—Gen
Resin, RESIN S synthetic—Plas
Resins, A-C polyethylene—Sem
Resins, alkyd—Plas
Resins, coating—Plas
Resins, coating, molding and finishing—Sem
Resins, CUMAR—Plas
Resins, foundry—Plas
Resins, maleic—Plas
Resins, melamine—Plas
Resins, modified phenolic—Plas
Resins, phenolic—Plas
Resins, PLASKON—Plas
Resins, polyester—Plas
Resins, polyethylene—Sem
Resins, silicone-alkyd—Plas
Resins, styrenated alkyd—Plas
Resins, urea—Plas
Road asphalt—Bar
Road tar, TARVIA—Bar
Rock wool batts, VB—Bar
Rock wool insulation—Bar
Roll roofings, EVERLASTIC asphalt—Bar
Roll roofings, S.I.S. asphalt—Bar
Roof coatings—Bar
Roof insulating board—Bar
Roofing asphalt—Bar
Roofing felts—Bar
Roofing pitch—Bar
Roofings, asphalt shingle—Bar
Rubber and vinyl products, HARMON pigments for—Natl
Rubber compounding materials—Plas

S

Salt cake—Gen, Sol
Seed protectants—Gen
Sesquicarbonate of soda, SNOWFLAKE crystals and SNOWFINE—Sol
Sheathing, gypsum—Bar
Sheathing, insulating—Bar
Sheathings and building papers—Bar
Shingles, asphalt—Bar
Siding, asbestos-cement—Bar
Silicone-alkyd resins—Plas
Soda ash—Sol
Sodium aluminum sulfate—Gen
Sodium bichromate—Sol
Sodium bifluoride—Gen
Sodium bisulfite, anhydrous—Gen
Sodium bisulfite, STA-FRESH (silage grade)—Gen
Sodium chloride—Sol
Sodium chromate—Sol
Sodium fluoborate—Gen
Sodium fluoride—Gen
Sodium metasilicate—Gen
Sodium nitrate—Nit
Sodium nitrite, U.S.P.—Sol
Sodium phosphate dibasic—Gen
Sodium phosphate tribasic—Gen
Sodium phosphates—Gen
Sodium pyrophosphate tetra—Gen
Sodium silicate—Gen
Sodium silicofluoride—Gen
Sodium succinate—Natl
Sodium sulfate—Gen
Sodium sulfite—Gen
Sodium thiosulfate ("Hypo")—Gen
Sodium tripolyphosphate—Gen
Solvents—Natl, Plas, Sol
Solvents, HI-FLASH—Plas
Solvents, industrial—Plas
Spreader-sticker, FILMFAST—Gen
Spreader-sticker, PLYAC—Gen
Stannous chloride—Gen
Staple fiber, CAPROLAN polyamide—Natl
Styrenated alkyd resins—Plas
Sub-floor tar, TAR-ROK—Bar
Succinic acid—Natl
Succinic anhydride—Natl
Succinimide—Natl
Sulfate of ammonia—Nit
Sulfate plants—Sem
Sulfur dioxide—Gen
Sulfur dyes, SULFINDONE—Natl
Sulfur hexafluoride—Gen
Sulfuric acid—Gen
Sulfuric anhydride, SULFAN stabilized—Gen

T

Tank bottom compounds—Plas
Tar acid oils—Plas
Tar acids—Plas
Tar bases—Plas
Tar, crude—Plas
Tar processing equipment—Sem
Tar, refined—Bar, Plas
Tar, TAR-ROK sub-floor—Bar
Tar, TARVIA road—Bar
Tarred felts—Bar
TDE tech. and formulations—Gen
Tetrahydrophthalic anhydride—Natl
Tetrahydrophthalimide—Natl
Tetrasodium pyrophosphate—Gen
Textile finishes, polyethylene—Sem
Textile printing formulations and textile dope pigmentations, HARMON pigments for—Natl
Tile, BARRETONE ceiling—Bar
Tire yarns, CAPROLAN polyamide—Natl
o-Toluidine—Natl
p-Toluidine—Natl
Triethanolamine—Nit
Triethylene glycol—Nit
Trisodium phosphate—Gen

U

Urea—Nit
Urea and ammonia solution, U-A-S—Nit
Urea-ammonium nitrate solution (non-pressure), URAN—Nit
Urea 45 fertilizer, pelleted—Nit
Urea feed mixture, PROCADIAN—Nit
Urea formaldehyde solution, N-DURE—Nit
Urethane—Plas
Urethane products, NACCONATE diisocyanates for—Natl

V

Valves—Sem
Vat dyes, CARBANTHRENE—Natl
Vat pigments, CARBANSOL—Natl
Vinyl chloride—Sol

W

Water treating chemicals—Sol
Wall board, gypsum—Bar
Wall board, insulating—Bar
Waterproofing materials—Bar
Wax additive, polyethylene—Sem
Weed killers—Gen
Wetting agents, NACCOSOL—Natl
Wetting and dispersing agents, NACCONOL—Natl
Wood preservatives—Plas, Bar

DIVISION ABBREVIATIONS	Bar—Barrett Division • Gen—General Chemical Division • Natl—National Aniline Division • Nit—Nitrogen Division Plas—Plastics and Coal Chemicals Division • Sem—Semet-Solvay Division • Sol—Solvay Process Division

PRINCIPAL TRADE NAMES

A

12-12-12 fertilizer—Nit
A-C polyethylenes (high density, low molecular weight, L.M.W. emulsifiable, pipe compound)—Sem
A-C polyethylene lubricants—Plas
ACE ALKALI bottle washing compound—Sol
ACONYL PW dye assistant for wool and nylon—Natl
ALIZAROL mordant—Natl
ALLITE translucent plastic panels—Bar
ANCHOR ALKALI bottle washing compound—Sol
ANCHOR-LOK asphalt shingles—Bar
A-N-L ammonium nitrate limestone—Nit
ANTIMYCOTIC NPD-4019—Natl
ANTIOXIDANT B and D antiskinning agents—Natl
ARCADIAN fertilizer materials—Nit

B

BAKER & ADAMSON reagents and fine chemicals—Gen
BARRETONE ceiling tile—Bar
BARRETT building materials—Bar
BLACK DIAMOND pitch & felt—Bar
BLACK SHIELD sheathing—Bar
BROAD SHADOW asphalt shingles—Bar
BS pitch and felt—Bar

C

CAPROLAN nylon textile fibers—Natl
CAPROLAN polyamide fibers—Natl
CARBANSOL vat pigments—Natl
CARBANTHRENE anthraquinone vat dyes—Natl
CARBOSOTA wood preservative—Bar
CHROMOLAN premetalized acid dyes—Natl
CLEANSER 600 general purpose cleanser—Sol
COMPOUND 685 plating and stripping compound—Natl
COUPLER 2,3,6—Natl
CRYSTAL asphalt and asphalt coating—Bar
CUMAR resins—Plas

D

DIAZINE developed dyes—Natl
DUBLECOTE MULTI-SHINGLES—Bar
DURA-LOK asphalt shingles—Bar

E

ELASTEX plasticizers—Plas
ERIE direct dyes—Natl
ERIEFORM direct-formaldehyde after-treatment dyes—Natl
ETERNIUM bituminous paint—Bar
EVER-FAST asphalt shingles—Bar
EVERJET bituminous paints—Bar
EVERLASTIC asphalt roll roofings—Bar
EVERLOX asphalt shingles—Bar

F

FARMDAIRY cleanser—Sol
FERAN ammonium nitrate solution (non-pressure)—Nit
FILMFAST spreader-sticker—Gen
FIREWALL gypsum wallboard—Bar

G

GENETRON (fluoro polymer) plastics—Gen
GENETRON refrigerants and aerosol propellants—Gen
GENICOP DDT-copper fungicide—Gen
GENITE early mite spray—Gen
GENITOX DDT formulations—Gen
GIANT SELF-SPACING shingles—Bar

H

HARMON COLORS (organic pigments)—Natl
HCX 322 cleansing compound—Sol
HI-FLASH solvent—Plas
HYDRONON foundation coating—Bar

J

JACK FROST sheathing—Bar

K

KEPONE insecticide—Gen
KOREON chrome tanning agent—Sol

L

LANAMID premetalized neutral dyes—Natl
LATHANOL detergent—Natl
LATHANOL LAL detergent and foaming agent—Natl

M

MUTUAL chromium chemicals—Sol

N

NABOR acrylic dyes—Natl
NACAN antireductant—Natl
NACAN kier boiling assistant—Natl
NACCOGENE stabilized azoic dyes—Natl
NACCOLENE A CONC. detergent—Natl
NACCOLENE oil-soluble detergent—Natl
NACCONATE diisocyanates for urethane products—Natl
NACCONOL air entrainment agent in concrete and plasterboard—Natl
NACCONOL detergents and emulsifiers—Natl
NACCONOL wetting and dispersing agents—Natl
NACCOSOL wetting agents—Natl
NACCOTAN A pitch solubilizer—Natl
NACCOTAN dispersing agent and mordant—Natl
NACCUFIX dye fixative for rayon—Natl
NACELAN disperse dyes—Natl
NACROSOL azo pigment dyes—Natl
NADIC anhydride—Natl
NADONE cyclohexanone—Natl
NATIONAL ASA antioxidant, antiskinning agent—Natl
NATIONAL basic dyes for cellophane—Natl
NATIONAL dyes—Natl
NATIONAL dyes for anodized aluminum—Natl
NATIONAL dyes for insecticides—Natl
NATIONAL naphthols—Natl
NATIONAL paper dyes—Natl
NATIONAL pigments—Natl
NATIONAL spirit soluble dyes for cellophane—Natl
NAXOL cyclohexanol—Natl
N-DURE urea formaldehyde solution—Nit
NIAGARA direct dyes—Natl
NITRANA ammonium nitrate—ammonia solution—Nit
NITROX cleansing, neutralizing rust inhibitor—Sol

O

ORCHARD BRAND insecticides, fungicides and herbicides—Gen
OZENE solvent, odor suppressant—Sol

P

PLASKON plastics and resins—Plas
PLYAC spreader-sticker—Gen
POLAR refined naphthalene—Plas
POLY-LEASE 77 mold release agent—Plas
PROCADIAN urea feed mixture—Nit

R

RANCHLINE asphalt shingles—Bar
RESIN S synthetic resin—Plas
RIGIDWALL fibreboard sheathing—Bar

S

SEMET-SOLVAY coke—Sem
SEMET-SOLVAY engineering service—Sem
S.I.S. asphalt roll roofings—Bar
SNOWFINE (sesquicarbonate of soda)—Sol
SNOWFLAKE crystals (sesquicarbonate of soda)—Sol
SOLANTINE fast-to-light direct dyes—Natl
SOLASTRAL phthalocyanine pigments—Natl
SOLVAT (leuco vat ester) dyes—Natl

DIVISION ABBREVIATIONS	Bar—Barrett Division • Gen—General Chemical Division • Natl—National Aniline Division • Nit—Nitrogen Division Plas—Plastics and Coal Chemicals Division • Sem—Semet-Solvay Division • Sol—Solvay Process Division

SPECIFICATION pitch and felt—Bar
STA-FRESH sodium bisulfite (silage grade)—Gen
STORM KING asphalt shingles—Bar
SULFAN stabilized sulfuric anhydride—Gen
SULFINDONE sulfur dyes—Natl
SUPERBILD laundry alkali—Sol
SUPERCHROME mordant acid dyes—Natl
SUPER CLEANSER general purpose cleanser—Sol
SUPERSHEEN bottle washing compound—Sol

T

TAR-ROK sub-floor tar—Bar
TARVIA bituminous gel—Bar
TARVIA-LITHIC bituminous concrete—Bar
TRALEE smokeless coal—Sem

U

U-A-S urea and ammonia solution—Nit
U.F. CONCENTRATE-85—Nit
URAN urea-ammonium nitrate solution (non-pressure)—Nit
URANA ammonium nitrate-urea-ammonia solution—Nit
UROX herbicide—Gen

V

VB rock wool batts—Bar

W

WALKOVER roofing cap sheet—Bar
WILPUTTE coke ovens and coal chemicals plants—Sem

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1421	Crushed limestone
1621	Construction of by-product coke ovens
2661	Building paper and board
	CHEMICALS AND ALLIED PRODUCTS:
2812	Alkalies and chlorine
2814	Coal-tar crudes
2815	Intermediates, dyes and cyclic chemicals
2818	Plasticizers, non-cyclic chemicals
2819	Various inorganic chemicals, such as sulfuric acid, ammonia, etc.
2821	Synthetic resins
2824	Nylon
2841	Synthetic organic and alkaline detergents
2871	Mixed fertilizer
2873	Agricultural pesticides
2899	Salt
2951	Paving materials
2952	Asphalt roofing and building products
3275	Gypsum products
3312	Coke and by-products
3569	General industrial equipment, including gas generators

FOR MORE INFORMATION

For more information on any of these products, call the nearest division sales office (listed on following page) or write to Allied Chemical Corporation, Department 9YB, 61 Broadway, New York 6, New York.

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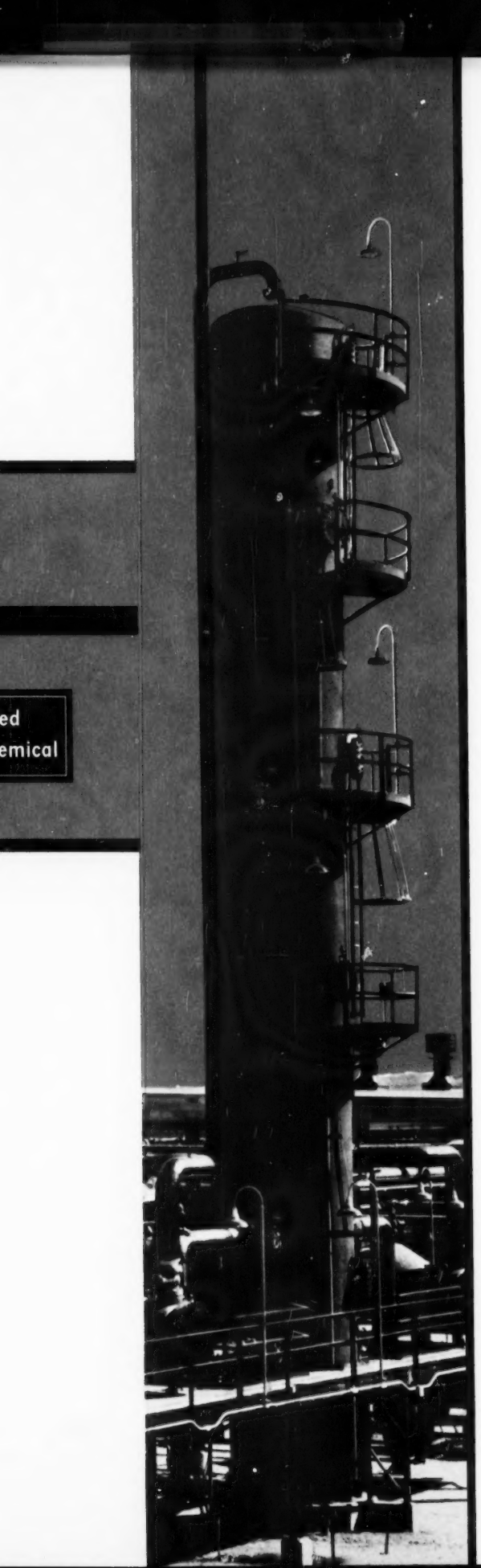
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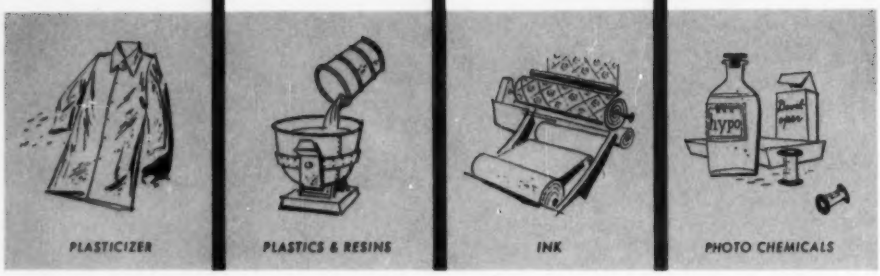
How Nitrogen Division serves the chemical industry through experience, facilities, research

Nitrogen Division is the country's largest manufacturer of nitrogen products, and a producer of ethylene derivatives. More than 65 years of manufacturing experience, modern production facilities, and continuous research and development assure you that chemicals carrying the Allied Chemical trademark are the best available.

Conveniently located stock points from coast to coast guarantee prompt delivery. All plants are serviced by rapid transportation methods which include rail, truck and water facilities. Products are packaged in containers selected as most convenient for plant handling.

An intimate knowledge of the chemical-using industries and their problems, accumulated since 1890, helps us to serve you efficiently and intelligently. Experienced technical service personnel are always ready to assist you in the handling and use of Nitrogen Division products.

Call your nearest Nitrogen Division representative today!



Anhydrous Ammonia

Specifications:

Refrigeration Grade

NH_3 Content, % by wt.	99.98 min.
Non-condensable gas, ml./gm.	0.2 max.
Moisture Content, % by wt.	0.015 max.
Residue including moisture, % by wt.	.017 max.
Pyridine	None

Commercial Grade

NH_3 content guaranteed 99.50% min.

SHIPPING AND PACKAGING: Both Commercial and Refrigeration grade NH_3 are shipped in barges, high-pressure insulated tank cars of 10,000-gallon capacity and in tank wagons. Only Refrigeration grade is shipped in tank trucks and in cylinders of 150, 100 and 50-lb. capacity.

Physical Properties:

Formula	NH_3
Appearance	Colorless
Odor	Pungent
Molecular Weight	17.032
Boiling Point[1]	−33.35°C. (−28°F.)
Melting Point[1]	−77.7°C. (−107.9°F.)
Critical Temperature	133.0°C. (271.4°F.)
Critical Pressure	1657 psia (113.8 atm.)
Spec. grav. of gas[2] (Air = 1)	0.596
Heat of vaporization at B.P.[1]	589.3 Btu/lb.
Density of liquid at 60°F.	0.62 g. per ml.

[1] *At one atmosphere = 760 mm. of mercury.*
[2] *One ATM. 60°F.*

Aqua Ammonia

Specifications:

	Grade A	Grade B
Ammonia Content	Not less than 29.4%	Not less than 25%
Gravity	26° Bé min.	—
Color	Water-white	0.06 max.[1]
Hydrogen Sulfide	None	None
Pyridine	Less than 1 gram per liter	Not more than 2 grams per liter
Organic Matter	50 max.[2]	100 max.[2]
Naphthalene	—	0.03% max.

[1] *Color equivalent to 0.06 grams of potassium dichromate in one liter of dilute sulfuric acid.*
[2] *Volume in ml. of 0.01 normal potassium permanganate required to completely oxidize at 85 to 90°C. organic matter in 100 ml. of ammonia liquor.*

SHIPPING AND PACKAGING: Shipped in 10,000 and 8,000 gallon tank cars and tank trucks. 30% solution contains about 11 tons NH_3 gas with balance as water. Safety valves located on top of domes are set to relieve pressure at 25 psig. Not regulated by Interstate Commerce Commission, but usually shipped in ICC specification tank cars.

Physical Properties:

Appearance	Clear, water-white liquid
Odor	Pungent
Specific Gravity of 29.4% NH_3, 60/60°F.	0.8974 (26° Bé)
Explosive limits of NH_3 gas (percent by volume in air)	about 16 to 25
Melting Point (29.4% NH_3	−107°F. (−77.2°C.)

Ammonium Nitrate Water Solutions

Specifications:

	NFS-83	NFS-50
Ammonium Nitrate	83%	50%
Water (approximate)	17%	50%
Typical Analysis, % by wt:		
Free Ammonia	0.05	0.03
Sodium Nitrate, not more than	0.03	0.02
Chlorides (Cl)	0.006	0.004
Silica (SiO_2)	0.002	0.001
Iron (Fe_2O_3)	0.002	0.001
Alumina (Al_2O_3)	0.002	0.001
Chromium (Cr_2O_3)	0.0001	0.0001
Lime (CaO)	0.002	0.001
Magnesia (MgO)	0.0001	0.0001
Sulfates (SO_3)	0.006	0.0004

SHIPPING AND PACKAGING: NFS-83 and NFS-50 are shipped in 10,000-gallon tank cars from the Nitrogen Division's producing plants at Hopewell, Virginia, and South Point, Ohio. NFS-83 is shipped hot, in insulated tank cars, to reduce salting out.

Physical Properties:

	NFS-83	NFS-50
Apparent Specific Gravity at 60°F.	1.497	1.225
Weight per gallon, lbs.	12.49	10.26
Vapor pressure at 104°F.	None	None
Salting Out Temperature, °F.	154	22
Boiling Point, °F.	270	230.5

Sulfate Of Ammonia

Specifications:

Commercial Grade

Ammonia Content: minimum 25% by weight. Moisture and Free Acid: Combined moisture and free acid content shall not exceed 2.50%

and in no case sh
0.25% of "Free"
SHIPPING AND P
bags.

Physical Propert

White to light g
method of manuf
slight tarry odor
(32°F.) is 70 gr
Formula
Molecular Weigh
Specific Gravity
NH_3 content, not

Formalde

Specifications:

Color (APHA)
max. 5
Turbidity (Helli
max. 5
pH (Glass Electr
min. 3
Acidity (as Form
max. 0
Methanol from S
max. 1
Non-Volatile Res
max. 0
Iron (as Fe)
max. 1
SHIPPING AND H
lon resin-lined cars
deliveries can be m
strategically located

Physical Propert

Formula
37%, 45% and 5
Appearance
Odor
Autoignition Te
Acidity

Densities:

Specific Gravity	% mald
1.1101	
1.0925	
1.0825	
1.116	
1.121	

Minimum Storag

Temperature °C.	°F.
35	95
16	60
6	43
55	131
65	149

ase shall product contain more than Free" acid.

ND PACKAGING: Shipped in bulk and

operties:

ight gray-green salt depending on manufacture. Odorless or may have odor. Solubility in water at 0°C. 70 grams in 100 grams of water.

	$(NH_4)_2SO_4$
Weight	132.14
avity at $\frac{20°C.}{4}$	1.769
t, not less than	25.0%

ldehyde

ns:	37% Low Methanol	37% Inhibited	45% Low Methanol	50% Low Methanol
HA)				
5	5	5	5	
Hellige)				
5	5	5	5	
Electrode)				
3.0	3.0	3.0	3.0	
Formic Acid)				
0.02%	0.02%	0.03%	0.03%	
rom Specific Gravity		6.0 –		
1.5%	8.0%	1.5%	1%	
le Residue				
0.04%	0.04%	0.04%	0.04%	
)				
1 ppm.	1 ppm.	1 ppm.	1 ppm.	

ND PACKAGING: 8,000 and 10,000 gal- d cars from South Point, Ohio. Tank truck s be made from South Point, Ohio and located bulk terminals.

operties:

	HCHO
nd 50% Solution	
e	Clear, colorless
	Pungent
n Temperature	430°C. (806°F.)
	Very slightly acid

% For- maldehyde	% Methanol	Temp. °C.	Temp. °F.
37	1	25	77
37	8	25	77
37	12	25	77
45	1	55	131
50	1	65	149

Storage Temperature:

rature °F.	% For- maldehyde	% Methanol
95	37	<1
60	37	8
43	37	12
131	45	<1
149	50	<1

Flash Points of Formaldehyde Solutions

Flash Point °C.	Flash Point °F.	% For- maldehyde	% Methanol
85	185	37	0.5
67	152	37	8
56	133	37	12
80	176	45	1
79	174	50	1

U. F. Concentrate-85

Solution of formaldehyde and urea, in approximate mol ratio of 4.8 to 1.

Typical analysis:

Formaldehyde, % by wt.	60
Urea, % by wt.	25
Water, % by wt.	15
Methanol, % by wt.	0.3 max.
Salts, % by wt.	0.2 max.
Free formic acid	Nil

SHIPPING AND PACKAGING: Shipped in 10,000 gallon tank cars and 3,500 gallon tank trucks of aluminum, stainless steel, or resin-lined mild steel construction from South Point, Ohio.

Physical Properties:

Specific Gravity	1.32 at 25/15°C.
Weight per Gallon	11.0 lbs.
Viscosity 0°C.	1250 cp.
10°C.	820 cp.
25°C.	260 cp.
55°C.	40 cp.
Surface Tension	64 dynes/ cm. at 25°C.
Color, APHA	10 max.
Turbidity, Hellige	10 max.
Refractive Index, n_D	1.472 at 25°C.
Boiling Point	About 100°C. at 760 mm. Hg.
Freezing Point	–20 to –30°C.
Vapor Pressure 25°C.	10 mm. Hg.
39°C.	31 mm. Hg.
49°C.	50 mm. Hg.
62°C.	100 mm. Hg.
Flash Point, Cleveland Open Cup Method	None*
pH	Approximately 8 at 25°C.

**Does not flash at temperatures up to boiling point.*

Ethylene Glycol

Specifications:	Industrial Grade	X-HP Grade
Specific gravity 20/20°C.	1.1151-1.1156	1.1151-1.1156
Boiling Range, ASTM		
Initial Boiling Point	193°C., min.	193°C., min.
5 ml.	195°C., min.	194°C., min.
95 ml.	202°C., max.	200°C., max.
Dry Point	210°C., max.	205°C., max.















PETROLEUM REFINING



PHARMACEUTICALS



RUBBER



INSECTICIDES



DRY CLEANING



PAINTS & VARNISHES

Acidity, as Acetic Acid	0.005 wt. %, max.	0.005 wt. %, max.
Inorganic Chlorides, as Cl	0.1 ppm. max.	0.1 ppm. max.
Sulfates	—	Not Detectable
Water	0.3 wt. %, max.	0.3 wt., %, max.
Water Solubility	Miscible in all proportions at 25°C.	Miscible in all proportions at 25°C.
Ash	0.005 g/100 ml., max.	0.005 g/100 ml., max.
Iron	—	0.15 ppm. max.
Color APHA	10 max.	10 max.
Odor	Mild	Mild
Suspended Matter	Substantially free	Substantially free

SHIPPING AND PACKAGING: Shipped in 10,000, 8,000, 6,000, 4,000 and compartmented 6,500 gallon tank cars from plant at Orange, Texas. Also available in tank trucks and compartmented tank trucks and 55 gallon drums from stocks located in major cities.

Diethylene Glycol

Specifications:

Specific Gravity	1.1170-1.1200 at 20/20°C.
Boiling Range, ASTM	
Initial Boiling Point	235°C., min.
Dry Point	260°C., max.
Acidity, as Acetic Acid	0.01 wt. %, max.
Water	0.2 wt. %, max.
Ash	0.05 gm./100 ml., max.
Color	15 APHA, max.
Suspended Matter	Substantially Free

SHIPPING AND PACKAGING: Same as for Ethylene Glycol.

Physical Properties:

Formula	$O(CH_2\text{-}CH_2\text{-}OH)_2$
Appearance	Clear, Colorless, Viscous Liquid
Molecular Weight	106.12
Specific Weight, 20°C.	9.31 lbs./gal.
Specific Gravity, 20/20°C.	1.1184
Boiling Point, 760 mm. Hg.	245.0°C.
Freezing Point	–9°C.
Vapor Pressure, 20°C., mm. Hg.	<0.01
Flash Point, ASTM Open Cup	275°F.
Viscosity, 20°C.	35.7 centipoises
Solubility in Water	Complete

Triethylene Glycol

Specifications:

Specific Gravity	1.122-1.127 at 20/20°C.
Boiling Range, ASTM	
Initial Boiling Point	275°C., min.
Dry Point	3
Acidity, as Acetic Acid	0.01
Water	0.1
Color	50 A
Suspended Matter	Substa

SHIPPING AND PACKAGING: Same a Glycol.

Physical Properties:

Formula	$HO\text{-}(CH_2\text{-}CH_2\text{-}O)_2\text{-}C$
Appearance	Clear, Col
Molecular Weight	
Specific Weight, 20°C.	9
Specific Gravity, 20/20°C.	
Boiling Point, 760 mm. Hg.	
Freezing Point	
Vapor Pressure, 20°C. mm. Hg.	
Flash Point, ASTM Open Cup	
Viscosity, 20°C.	47.8
Solubility in Water	Miscible in all

Ethylene Oxide

Specifications:

Color	10, A
Water	0.0
Aldehydes, as Acetaldehyde	0.0
Total Inorganic Chlorides, as Cl	0.0
Acidity, as Ascetic Acid	0.00
Non-Volatile Matter	0.01 gms./
Residual Odor	

**This specification applies to Ethylene O drums and tank cars but not to cylinder SHIPPING AND PACKAGING: Shipped Texas plant in 10,000 and 3,500 gallon available in 175 lb. cylinders and 55 g drums.*

Physical Properties:

LIQUID	
Formula	
Appearance	Clear, Colo
Molecular Weight	
Specific Weight, 20°C.	
Specific Gravity, 20/20°C.	
Boiling Point, 760 mm. Hg.	10.7°



RESINS & ADHESIVES

.....300°C., max.
...0.01 wt. %, max.
....0.1 wt. %, max.
...50 APHA, max.
Substantially Free
Same as for Ethylene

$O)_2$-CH_2-CH_2-OH
r, Colorless liquid
.....150.17
.....9.36 lbs./gal.
.....1.1254
.....287.4°C.
.....−7.2°C.
lg.....<0.01
ıp.....330°F.
...47.8 centipoises
in all proportions

10, APHA, max.*
0.05 wt. %, max.
0.05 wt. %, max.

0.01 wt. %, max.
0.005 wt. %, max.
gms./100 ml., max.
.....None
lene Oxide shipped in
nder Ethylene Oxide.
hipped from Orange,
allon tank cars. Also
l 55 gallon insulated

.....H_2C-CH_2 (O)
Colorless Liquid
.....44.05
.....7.25 lbs./gal.
.....0.8711
10.7°C. (51.3°F.)

Freezing Point .....−111.3°C. (−168.3°F.)
Vapor Pressure, 20°C., mm. Hg.....1095
Flash Point, ASTM Open Cup.....0°F.
Solubility in Water.....Complete
VAPOR
Explosive Limits in Air.....2-100% by vol.
Autoignition Temp., 760 mm. .....571°C. (1060°F.)
Ignition Temp. in Air, 760 mm. .....429°C. (804°F.)

Monoethanolamine

Specifications:

Specific Gravity.....1.017-1.021 at 20/20°C.
Boiling Range, ASTM
Initial Boiling Point .....165°C.
Dry Point .....175°C.
Color .....20 APHA, max.
Suspended Matter .....Substantially Free
Equivalent Weight 61-63
Odor .....Mildly Ammoniacal

SHIPPING AND PACKAGING: The Ethanolamines are shipped in insulated steam coiled tank cars of 8,000 gallon capacity and compartmented 6,000 gallon tank cars from plant at Orange, Texas. Also available in tank trucks in principal industrial areas and in 55 gallon drums from stocks located in major cities.

Physical Properties:

Formula .....$HOCH_2CH_2NH_2$
Molecular Weight 61.08
Boiling Point (760 mm.) °C.....170.5
Freezing Point °C.....10.5 (50.9°F.)
Specific Gravity, 20/20°C. 1.0179
Viscosity, Abs. (cps.) (20°C.) 24.1
Refractive Index n_D 30°C.....1.4510
Flash Point °F. 200

Diethanolamine

Specifications:

Specific Gravity.....1.090-1.095 at 30/20°C.
Color APHA .....40 max.
Suspended Matter .....Substantially Free
Equivalent Weight 104-106
Water .....0.15 wt. %, max.
MEA Content .....1.0 wt. %, max.
DEA Content .....98.5 wt. %, min.
TEA Content .....1.0 wt. %, max.

SHIPPING AND PACKAGING: Same as for Monoethanolamine.

Physical Properties:

Formula .....$(HOCH_2CH_2)_2NH$
Molecular Weight 105.14
Boiling Point (760 mm.) °C. 269 Decomposes
Freezing Point °C. .....28.0 (82.4°F.)
Specific Gravity, 30/20°C. 1.0919
Viscosity, Abs. (cps.) (30°C.) 360
Refractive Index n_D 30°C.....1.4745

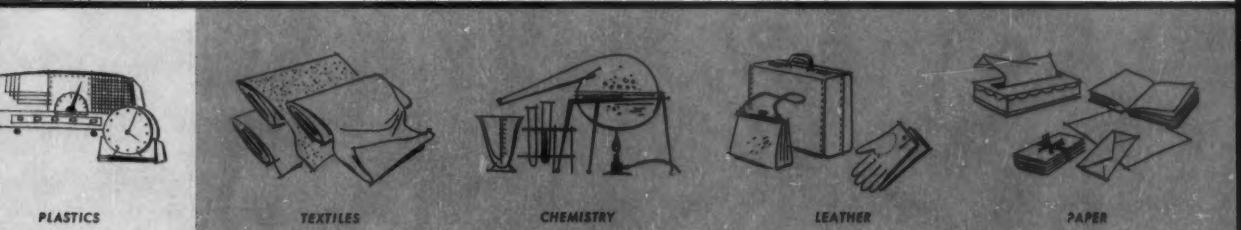
Triethanolamine

Specifications:	Commercial Grade	98% Grade
Specific Gravity at 20/20°C.	1.1220-1.1300	1.1240-1.1290
Color APHA	100 max.	100 max.
Suspended Matter	Substantially Free	Substantially Free
Equivalent Weight	140-145	147-152
Odor	Mildly Ammoniacal	Mildly Ammoniacal
Water	0.5 wt. %, max.	0.5 wt. %, max.
MEA Content	1.5 wt. %, max.	—
DEA Content	15 wt. %, max.	—
TEA Content	85 wt. %, min.	98.0 wt. %, min.
Iron	—	0.003 wt. %, max.

SHIPPING AND PACKAGING: Same as for Monoethanolamine.

Physical Properties:

Formula .....$(HOCH_2CH_2)_3N$
Molecular Weight 149.19
Boiling Point (760 mm.) °C. 360 Decomposes
Freezing Point °C. .....21.5 (70.7°F.)
Specific Gravity, 20/20°C. 1.1258
Viscosity, Abs. (cps.) (30°C.) 425
Refractive Index n_D 30°C. 1.4822



Methanol

Specifications:

Apparent Specific Gravity	0.7920-0.7930 at 20/20°C.
Boiling Range, °C.	0.5 max. falling between 64 and 66°C.
Precipitated by Water	Clear
Reducing $KMnO_4$	min. 30 minutes at 15°C.
Darkened by Sulfuric Acid	20 max. (Pt-Co Scale)
Acetone and Aldehyde	0.003% max.
Alkalinity (as NH_3)	0.0003% max.
Water	0.10% max.
Iron	0.05 ppm. max.
Color	5 max. (Pt-Co Scale)
Non-Volatile Residue	0.001% max.
Acidity (as Acetic Acid)	0.003% max.

SHIPPING AND PACKAGING: Shipped in barges, tank cars of 10,000 and 8,000-gallon capacity and tank trucks. All shipments made from South Point, Ohio, plant and from stocks in principal cities, and are shipped under I.C.C. regulations. All containers bear poison warning label and standard red caution label for flammable liquids.

Physical Properties:

Formula	CH_3OH
Molecular Weight	32.04
Appearance	Clear water-white liquid
Odor	Alcohol-like
Boiling Point	64.5°C. (148°F.)
Freezing Point	–97.6°C. (–144°F.)
Vapor Pressure at 68°F.	92 mm. Mercury
Flash Point (open cup)	15.6°C. (60°F.)
(closed cup)	12°C. (54°F.)

Urea

Specifications:

	Crystal	Uncoated Pelleted
pH (10% sol. at 20°C.)	7.0 – 9.8	7.0 – 9.8
Moisture	0.5% max.	0.5 % max.
Ash, ppm.	35 max.	35 max.
Iron, ppm.	2 max.	2 max.
Free NH_3, ppm.	20 max.	100 max.
Color, APHA	10 max.	10 max.
Turbidity, APHA	20 max.	20 max.

SHIPPING AND PACKAGING: Offered in minimum truck and carload lots and in bulk shipped from plants at South Point, Ohio and LaPlatte, Nebraska. For customer convenience in storage and handling, palletized shipments are available on request. Less than truck load quantities are available at several warehouse and stock points.

Physical Properties:

Formula	$H_2N\text{-}\overset{\overset{O}{\|\|}}{C}\text{-}NH_2$
Appearance	White, crystalline solid
Molecular Weight	60.05
Boiling Point	Decomposes
Melting Point	132.6°C. (270.7°F.)
Specific Gravity, 20/4°C	1.335

Pelleted Ammonium Nitrate

Typical Analysis:

Total N	33.5% or more
Ammonium Nitrate	96% or more
Moisture	0.2 to 0.3%
pH	5.5 to 6.5%
Coating	3%
Gram per cubic centimeter	0.9 or higher
Screen Analysis:	
On 10 mesh	50%
On 20 mesh	97%
On 28 mesh	100%

SHIPPING AND PACKAGING: Pelleted Ammonium Nitrate is shipped in carload or truckload lots marked according to ICC regulation with yellow label. It is packaged in 5-ply multiwall paper bags, polyethelene-lined in 50, 80 and 100 lb. capacities. It is also packaged in round burlap bags as follows: 8" x 50 lbs., 7" x 50 lbs., 6" x 35½ lbs. and 5" x 25 lbs.

Nitrate Of Soda (Sodium Nitrate)

Specifications:

Chemical	
Total Nitrogen (Dry Basis)	16.40% min.
Sodium Nitrate (Dry Basis)	99.50% min.
Moisture	0.50% max.
Sodium Nitrite	0.05% max.
Alkalinity, as Na_2O	0.01% max.
Screen	
Spec. 3A—Retained on 28 mesh (0.0232 inch opening)	–24% max.
Spec. 2B—Retained on 28 mesh (0.0232 inch opening)	–60% min.
Spec. 1C—Retained on 28 mesh (0.0232 inch opening)	–95% min.

SHIPPING AND PACKAGING: ARCADIAN Nitrate of Soda is shipped from Plant at Hopewell, Va. in bulk in box cars or hopper cars in minimum 20-ton lots and by truck. Also shipped in 100-lb. net multi-wall, asphalt lined moisture-proof paper bags.

Shipment is made under yellow label according to I.C.C. regulation on bulk shipment or label affixed to trucks carrying bags except in quantities of less than 500 lbs.

Physical Properties:

Formula	$NaNO_3$
Molecular Weight	85.01
Appearance	White Crystals
Odor	None
Melting Point	308°C. (586°F.)
Specific Gravity	2.267
Bulk Density:	
3A (Fine)	85 lbs. per cu. ft.
2B (Medium)	82 lbs. per cu. ft.
1C (Coarse)	80 lbs. per cu. ft.
Solubility:	
in 100 grams water at 0°C.	73 grams
in 100 grams water at 30°C.	96.2 grams

Nitrogen Tetroxide

Typical Analysis:

Water, wt. %	0.1 max.
Lower Nitrogen Oxides	Trace

SHIPPING AND PACKAGING: Shipped in 125 and 150 lb. steel cylinders; 1 ton containers and 30 and 50 ton tank cars from Hopewell, Va.

Physical Properties:

Formula	N_2O_4
Molecular Weight	92.02
Boiling Point	21°C.
Freezing Point	–11.2°C.
Critical Temperature	158°C.
Critical Pressure	99 atm
Density of Liquid	1.45 at 20°C.
Density of Gas	3.4 gm./liter 21°C., 1 atm
Vapor Pressure (Absolute)	2 atm at 36°C.

Plan
ATLANTA 127
CHICAGO Mer
CLEVELAN 312
COLUMBI 113
COLUMBI 707
HOPEWE P.O
INDIANA 606
IRONTO P.O
KALAMA 511
MEMPHI 192
ORANGE P.O
RALEIGH 606
ST. LOU 452
ST. PAU 764
SAN FR 235
SOUTH P.O
Executive
NEW Y 40

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Merchandise Mart

VELAND 15, OHIO
3121 Euclid Avenue

LUMBIA, MISSOURI
1134 Highway 40 West

LUMBIA 1, S. C.
707 Carolina Life Bldg.

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P. O. Drawer 131

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P. O. Box 98

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511 East Paterson Street

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1929-B South Third Street

ANGE, TEXAS
P. O. Box 2041

LEIGH, N. C.
606 Capital Club Bldg.

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4528 South Broadway

. PAUL 14, MINN.
764 Vandalia Street

AN FRANCISCO 4, CALIF.
235 Montgomery Street

OUTH OMAHA 7, NEBR.
P. O. Box 166

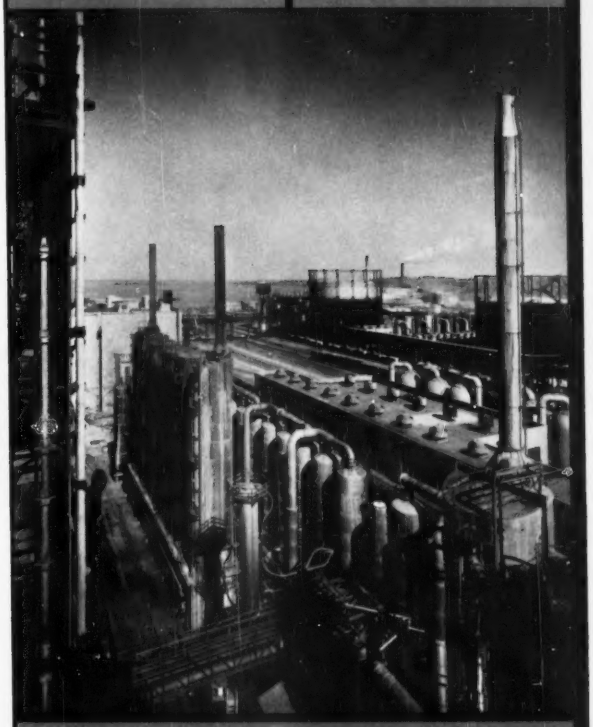
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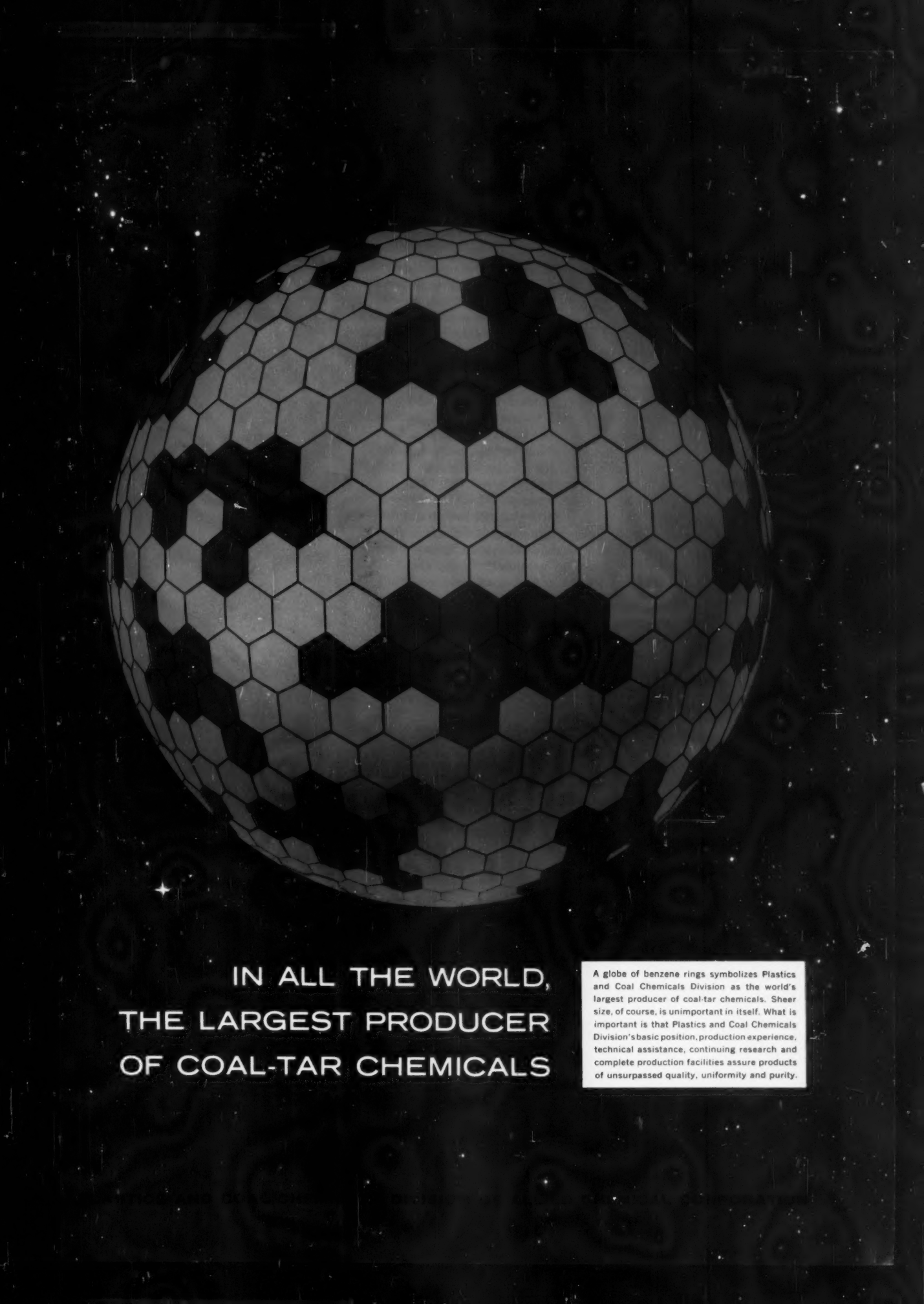
OIL EMULSIONS



GAS PURIFICATION



Allied Chemical



IN ALL THE WORLD, THE LARGEST PRODUCER OF COAL-TAR CHEMICALS

A globe of benzene rings symbolizes Plastics and Coal Chemicals Division as the world's largest producer of coal-tar chemicals. Sheer size, of course, is unimportant in itself. What is important is that Plastics and Coal Chemicals Division's basic position, production experience, technical assistance, continuing research and complete production facilities assure products of unsurpassed quality, uniformity and purity.



Coal-tar chemicals offer a world of opportunity to development chemists and process engineers alike. On these pages, the world's largest producer, Plastics and Coal Chemicals Division of Allied Chemical, describes some that have long been staples of chemical processing, others that are commercially new

PHTHALIC ANHYDRIDE

The synthesis of phthalic anhydride by the catalytic air oxidation of naphthalene vapor is a notable example of progressive chemistry and engineering. Today, hundreds of millions of pounds are being produced annually for use in the plastics, coatings, drug and dye industries, with new and commercially valuable applications being constantly discovered. As the world's largest producer, Plastics and Coal Chemicals Division is particularly qualified to serve your PA needs. Distinctive purification procedures embodying the latest technological advances, plus continuing research and application studies have resulted in a uniform product of unsurpassed excellence. Fast, dependable delivery is assured from plants in three strategically located areas. Plastics and Coal Chemicals Division Phthalic Anhydride is available in both liquid and flake forms, whichever best suits your convenience.



Photomicrograph shows phthalic anhydride, magnified 15 times, crystalized from the liquid state. By the method of calorimetric freezing point determination, Plastics and Coal Chemicals Division commercial phthalic anhydride measures 99.7 mole % pure (minimum), opening a new age of confidence for PA users.

INDUSTRIAL AROMATIC SOLVENTS

Plastics and Coal Chemicals Division of Allied Chemical has led the way in establishing standard testing methods and specifications for light oil distillates. This work has paid off in the higher reliability of Allied Chemical Aromatic Solvents.

Benzol, Nitration	Xylol, Nitration
Benzol, Industrial Pure	Xylol, Ten Degree
Benzol, Industrial 90%	Xylol, Industrial
Benzene, Thiophene-free	Hi-Flash Solvent
Toluol, Nitration	1320 Oil
Toluol, Industrial Pure	Wire Enamel Solvent

All available in Tank Cars and Tank Trucks

PHTHALO-NITRILE

A high purity, aromatic, organic intermediate offered for the first time in the United States by a domestic producer. Phthalonitrile has an exceptionally stable aromatic ring which resists chlorination, sulfonation, and nitration unless the cyano groups have been chemically changed or modified. In addition to its conversion to pigments, phthalonitrile is a starting material for dye intermediates, metal coatings and high-temperature lubricants.

TAR BASES

This special class of refined coal chemicals includes pyridine, quinoline and related compounds. Many recent developments indicate that their potentials in the field of industrial chemistry are just beginning to be fully realized.

Refined Pyridine 2A	Refined Alpha Picoline 2A
Pyridine 10A	Refined Beta Gamma Picoline
Pyridine 15A	Refined Quinoline
Mixed Picolines 20A	Refined 2,4 Lutidine
Pyridine 30A	Special Refined Grades
Mixed Lutidines	Special Fractions
Tar Bases 50A	

ANTHRACENE

Now available commercially from a domestic source, anthracene undergoes both the Diels-Alder and Friedel-Crafts reactions . . . can be reduced, nitrated, sulfonated and reacted with halogens . . . has remarkable photosensitive properties. With Plastics and Coal Chemicals Division Anthracene (90–95% purity) as a starting point, you have a wide selection of functional groups leading to commercially valuable products.

—and now ready to be exploited into valuable products. Plastics and Coal Chemicals Division is always ready to help you make wider and more profitable use of all its products—while continually developing new items to keep pace with a fast-moving economy and serve your ever-changing needs.

PLASTICS AND COAL CHEMICALS DIVISION OF ALLIED CHEMICAL CORPORATION

PHENOL, USP (synthetic)

Synthetic phenol is a valuable basic raw material for the manufacture of dyestuffs, chemicals, medicinal products and phenol-formaldehyde resins and for refining of lubrication oils, with potentialities that are still far from being fully realized. Plastics and Coal Chemicals Division synthetic phenol is available as a crystalline solid made to specifications even more exacting than those required for the U.S. Pharmacopeia grade, and in liquid form in phenol strengths of 92 and 85 percent. These liquefied phenols are prepared simply by adding to USP grade crystals distilled water. Time-tested standardization procedures assure excellent uniformity, and you can order prompt shipments by tank car or tank truck. Only Plastics and Coal Chemicals Division can supply you with *every grade of phenol*—both synthetic and natural—another reason why it pays to deal with the leader.



Determination of water in phenol by azeotropic distillation. Plastics and Coal Chemicals Division Phenol, USP, and other tar acids are standardized with a thoroughness that assures you complete reliability.

ELASTEX® PLASTICIZERS

Plastics and Coal Chemicals Division carefully controls the manufacture of "ELASTEX" Plasticizers to insure shipment of materials meeting the most stringent customer specifications. Those liquid in form can be shipped to you by *express* tank truck from any of 12 strategically located tank stations.

Dibutyl Phthalate*
Dimethyl Phthalate*

"ELASTEX" DCHP Plasticizer— Dicyclohexyl Phthalate
"ELASTEX" 10-P Plasticizer*—(Diisooctyl Phthalate) (DIOP)
"ELASTEX" 28-P Plasticizer*— Di-2-Ethylhexel Phthalate (DOP)
"ELASTEX" 18-P Plasticizer*— Isooctyl Isodecyl Phthalate
"ELASTEX" 20-A Plasticizer*— Diisodecyl Adipate
"ELASTEX" 40-P Plasticizer*— Butyl Isodecyl Phthalate
"ELASTEX" 48-P Plasticizer*— Butyl Octyl Phthalate
"ELASTEX" 50-B Plasticizer*— Butyl Cyclohexyl Phthalate
"ELASTEX" 60-A Plasticizer*— Di-2-Ethylhexyl Adipate
"ELASTEX" 82-P Plasticizer*— Normal Octyl—Normal Decyl Phthalate
"ELASTEX" 90-P Plasticizer*—Diisodecyl Phthalate
"ELASTEX" 36-R Plasticizer— Medium molecular weight polymeric plasticizer
"ELASTEX" 37-R Plasticizer— High molecular weight polymeric plasticizer
Plasticizer 136*—An aryl alkyl hydrocarbon

*Available in Tank Cars or Trucks

TECHNICAL PHENOLS, CRESYLIC ACIDS, CRESOLS & XYLENOLS

The phenols obtained from coal-tar distillates comprise a valuable group of manufacturing chemicals—the tar acids. Plastics and Coal Chemicals Division has specialized in the production of refined acids to exacting specifications. Its standardization methods insure completely reliable products. Among them, you will find acids to the exact degree of refinement you require.

Phenols-Synthetic & Natural
Technical Phenol (all grades)
Phenol-Cresol Mixes
Phenol-Cresylic Mixes

Cresylic Acids
Mixtures of close-cut fractions blended to meet particular commercial requirements
Special Engine Cleaning Grades

Cresols
Cresol, USP
Ortho Cresol (ranging from 50% to 98+% purity)
Metaparacresols
Resins Cresols
Special Cresol Fractions blended to order

Xylenols
Metaxylenol —45°C., 56°C. and 61.2°C. Min. M.P.
Crude and Refined Grades
Special Fractions

GET THE LATEST INFORMATION ON COAL-TAR CHEMICALS FROM THE LEADER—

For the convenience of purchasing people in specific chemical industries, we have compiled helpful product data on an industry-by-industry basis. You can have this data by filling out the coupon below, telling us in which industry you work. You'll find it an important assist in keeping all our resources at your fingertips.

PLASTICS AND COAL CHEMICALS DIVISION
40 Rector Street, New York 6, N. Y. In Canada:
Allied Chemical Canada, Ltd.,
1450 City Councillors St., Montreal

Allied Chemical

NAPHTHALENE

Comes in six convenient forms: ball, flake, ring, chipped, crushed and liquid. Tailored to meet all requirements for manufacturing of insecticides, tanning agents, dyestuff intermediates, pharmaceuticals, phthalic anhydride and other industrial chemicals. Crude naphthalene also available in tank cars and tank trucks.

ACETONE

A high-purity product derived from the Cumene-Phenol Process. Recommended as an intermediate in chemical and drug manufacture and for use as a solvent. Acetone promises to become increasingly important in the plastics field as a basic chemical in the manufacture of epoxy resins. Fast delivery by tank car or tank truck is assured from supply depots at Boston, Chicago, Cleveland, Detroit, Los Angeles, New York and Philadelphia. Drum stocks only at Charlotte, N. C. and St. Louis, Mo.

NIACIN USP

The finest Niacin available, produced to meet the rigid requirements necessary for manufacturing of pharmaceuticals, animal and poultry feeds and the enrichment of flour. Blends with soy flour available for the blending of vitamin premixes. Produced to meet the highest standard of purity through basic position in raw materials and the most modern equipment—conforms to USP specifications. Can be ordered from our manufacturing plant in Philadelphia and warehouses at Los Angeles and Chicago.

CUMAR® RESINS

One of the earliest developments in synthetic resins, these paracoumarone-indene resins continue to find broad markets in a multitude of industries. They are available in nine separate grades for use in varnishes, floor tile, natural and synthetic rubber products, printing ink, adhesives and water-proofing materials. Also used in the leather, electrical, radio, and paper industries.

ALPHA-METHYL STYRENE

A low cost unsaturated aromatic monomer produced from a cumene-phenol operation in a 99.5+% pure grade. Alpha-methylstyrene reacts more slowly and exhibits much less of a tendency to homopolymerize. It will, however, homopolymerize in the presence of an ionic catalyst. In addition alpha-methylstyrene will copolymerize with a wide variety of unsaturated chemicals including butadiene, acrylonitrile, isobutylene, vinylidene chloride, terpenes, acrylates, methacrylates, and most vinyl monomers.

OTHER CHEMICALS & PRODUCTS

- Maleic Anhydride
- Fumaric Acid
- Resin S (A neutral synthetic resin of high styrene content)
- Specialized Rubber Compounding Materials
- "A-C" Polyethylene Lubricants
- Cyclohexanol
- Cyclohexanone
- Methanol
- Acetophenone
- Ethylbenzene
- Cumene
- Cumylphenol
- Ethylene Glycol
- Diethylene Glycol
- Monoethanolamine
- Diethanolamine
- Triethanolamine
- Flotation Agents
- Pickling Inhibitors
- Tar Distillates
- Tar Acid Oils

PLASTICS AND COAL CHEMICALS DIVISION
ALLIED CHEMICAL CORP., 40 Rector Street,
New York 6, N. Y.

Please send me specific product data for:

- ☐ Rubber Industry
- ☐ Paint Industry
- ☐ Plastics Industry
- ☐ Soap and Specialties Industry
- ☐ Technical data and laboratory samples of_____for investigation

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1 2

AA QUALITY CHEMICALS



The AMERICAN AGRICULTURAL CHEMICAL Co.

For over 100 years manufacturers of high-quality products, we present this convenient and briefly descriptive list of chemicals which we manufacture.

Because of their exceptional purity and uniformity, they are of special interest to the drug, food, film, oil, steel, textile, ceramics, laundry and other industries.

Your inquiries are invited. Your particular needs will receive the prompt and co-operative attention of our entire staff. Write or phone: Chemical Department, The American Agricultural Chemical Co., 100 Church Street, New York 7, N. Y., or our nearest office, listed on a following page.

PHOSPHORIC ACID

PRODUCTS	GRADES	PACKING	USES
PHOSPHORIC ACID H_3PO_4	85% N.F. Grade—Spec. Grav. 1.71	Carboys, tank trucks, drums	Manufacture of pharmaceuticals, inorganic phosphates; acidulator for essences, jellies, mineral waters, soft drinks; rustproofing compounds; electro-polishing; lakes in cotton dyeing; sugar defecant and clarifier; yeasts; waxes and polishes; binder for ceramics. Activated carbon production. Silage preservative.
	75% Pure Food Grade—Spec. Grav. 1.58	Carboys, tank trucks, tank cars, drums	
	50% Pure Food Grade—Spec. Grav. 1.34	Carboys	

PHOSPHATES

DISODIUM PHOSPHATE $Na_2HPO_4 \cdot 12H_2O$ Na_2HPO_4	Technical Crystalline	Fibre drums 5-ply paper bags	Manufacturing detergents, boiler compounds; chinaware; in chemical processing and dyestuffs; preparation of enamels; tinning, soldering; tanning, pigments, textiles; silk weighting, dyeing, calico printing, fireproofing agent.
	Technical Anhydrous	Fibre drums 5-ply paper bags	
TRISODIUM PHOSPHATE $Na_3PO_4 \cdot 12H_2O$ Na_3PO_4	Technical Crystalline	Fibre drums 6-ply paper bags	As a detergent; manufacturing household and industrial cleansers; for dishwashing, laundry, boiler and water softening compounds; sugar clarification. Paint remover, metal cleaning, metal working.
	Technical Anhydrous	Fibre drums 6-ply paper bags	

PHOSPHATES (Continued)

PRODUCTS	GRADES	PACKING	USES
PHOS-FEED® BRAND DICALCIUM PHOSPHATE	Feed Grade Phosphorus—21% or 18.5% min. Calcium—25% min. Fluorine—40 P.P.M. max.	5-ply paper bags Bulk	Mineral supplement for animal and poultry feeds.
SODIUM TRIPOLYPHOSPHATE (Anhydrous) $Na_5P_3O_{10}$	Powdered Granular	Bags Bulk Drums	Synthetic detergent, soap builder, oil well drilling muds, dishwashing compounds, bottle washing compounds, textile dyeing, pitch control in pulp making, clay manufacturing, steam cleaner, alkaline dairy cleaner, cement, kier boiling cotton, chlorine type solid bleaches, perborate type solid bleaches, rug and upholstery cleaner.
TETRASODIUM PYROPHOSPHATE (Anhydrous) $Na_4P_2O_7$	Powdered Granular	Bags Bulk Drums	Soap and detergents, soap builder, washing compounds, oil drilling muds, dispersing agent, water conditioning, metal cleaner, textile dyeing, textile processing, pulp paper mills, kier boiling of cotton, scouring and processing of wool, de-inking newsprint, tin plating.

PHOSPHORUS AND COMPOUNDS OF PHOSPHORUS

PRODUCTS	GRADES	PACKING	SHIPPING REGULATIONS	USES
ELEMENTAL PHOSPHORUS Yellow-White P	Solid, Segments	Steel drums Tank cars	Yellow label (Inflammable Solid)	Manufacture of phosphoric acid, phosphate salts; compounds of phosphorus, rodent poisons, copper and bronze alloys; flares, smoke screens, pyrotechnics.
PHOSPHORUS RED (Amorphous) P	Powder, Technical	11 lb. tins (10 tins per case) 100 lb. drums	Yellow label (Inflammable Solid)	Manufacture of matches, pyrotechnics, flares, phosphorus compounds.
PHOSPHORUS PENTASULPHIDE P_2S_5	Powder, Lump. Technical	Steel drums Fibre drums Bulk		Additive for lubricating oils and synthetic organic chemistry.
PHOSPHORUS SESQUISULPHIDE P_4S_3	Powder, Lump. Technical	Steel drums (non-returnable)	Yellow label (Inflammable Solid)	Manufacture of matches, pyrotechnics; synthetic organic chemistry.
FERRO PHOSPHORUS (Iron Phosphide)	24% to 26% Phosphorus Technical	Barrels Bulk-gondola cars		FOUNDRIES: To increase fluidity of iron and steel castings. STEEL: In sheet steel to prevent sticking of sheets in final rolling. WIRE: In wire to give stiffness and better surface for drawing.
SLAG (EXPANDED) Lightweight Aggregate	Classified Granulated	Bulk only		Building blocks. Prestressed Concrete.

FLUORIDES AND SILICOFLUORIDES

(FLUOSILICATES)

PRODUCTS	GRADES	PACKING	USES
SODIUM FLUORIDE NaF	Powder, Granular. Technical	Fibre drums Bags	Flux in rimmed steel ingots, electro-plating; heat-treating salts; glass manufacture; fluoridation of water.
AMMONIUM SILICOFLUORIDE $(NH_4)_2SiF_6$	Technical	Fibre drums	As a laundry sour; in magnesium metal casting; moth proofing compounds; glass etching; electro-plating copper on zinc and iron; fluoridation of water.
MAGNESIUM SILICOFLUORIDE $MgSiF_6 \cdot 6H_2O$	Technical	Fibre drums	Hardening surface of concrete, stucco and brickwork; moth proofing compounds.
POTASSIUM SILICOFLUORIDE K_2SiF_6	Technical	Fibre drums Bags	Flux for removal of magnesium from aluminum metal; as a sand inhibitor in magnesium metal casting, Porcelain enamel frit; synthetic mica.
SODIUM SILICOFLUORIDE Na_2SiF_6	Technical	Fibre drums Bags	Ceramic glazes, opal glass, artificial marble, laundry sour; preservative in glue and leather; aluminum metal refining; fluoridation of water; foam rubber.
ZINC SILICOFLUORIDE $ZnSiF_6 \cdot 6H_2O$	Technical	Fibre drums	Moth proofing agent for textiles; laundry sour; moth proofing compounds.
SILICOFLUORIDE MIXTURES 75% Magnesium 25% Zinc	Technical	Fibre drums	Hardening surface of concrete, stucco and brickwork.
MAGNESIUM-BORON FLUORIDE	Technical	Steel drums 145 lbs.	Metal Flux.

KEYSTONE GELATIN

PRODUCTS	GRADES	PACKING	USES
KEYSTONE® GELATIN $C_{102}H_{151}O_{39}N_{31}$	EDIBLE:— Flakes. Various Jelly strengths and otherwise to specifications. Granulated and Flakes.	Fibre drums	Meats, candy, baking, ice cream, gelatin desserts, jellied foods, and other food products.
	PHOTOGRAPHIC:— Film and paper emulsion types. Lithogel—for photo-gelatin printing	Fibre drums	Photographic films, plates, papers. Photo lithography and photo-gelatin engraving. Collotype printing and silk screen stencils.
	PHARMACEUTICAL:— Pharmagels "A" & "B" Capsule grades & specialty items	Fibre drums	Hard capsules, soft capsules, suppositories, pill coating, emulsions and culture media.
	TECHNICAL:— Granulated	Fibre drums	Print rollers, sizings, emulsions, decalcomanias and a protective colloid.

KEYSTONE AMMONIUM CARBONATE

PRODUCTS	GRADES	PACKING	USES
KEYSTONE® AMMONIUM CARBONATE U.S.P. A sublimed product consisting of $NH_4HCO_3 \cdot NH_2COO \cdot NH_4$	Chips Lump Powdered	Steel drums Fibre drums Kegs 6¼ lb. cans (8 to carton)	Bakeries, pharmaceuticals, smelling salts, malt preparations, special glass and chemical processes.

BONE PRODUCTS

PRODUCTS		GRADES	PACKING	USES
ANIMAL BONE CHARCOAL	A solid amorphous black resulting from the charring of clean cattle bones.	Standard grades from ½" to fine powdered	Bags Barrels	Clarifying cane sugar, glucose and oils; water purifying, decolorizing, deodorizing, and air filtration.
BONE BLACK PIGMENT (COSMIC®) BLACKS	An amorphous black pigment, air floated for extra fineness.	25 standard grades	Barrels Cartons	In paint, varnish, lacquer, artificial leather, plastics, printing ink, blackings, polishes.

SULPHURIC ACID

PRODUCTS	GRADES	PACKING	SHIPPING REGULATIONS	USES
SULPHURIC ACID H_2SO_4	60° Baume 66° Baume 99% H_2SO_4	Tank Cars Tank Trucks	White label	Fertilizers, explosives, leather industry, manufacture of various chemicals, pickling iron and steel, precious metal refining, electroplating, metal cleaning, metallurgy, batteries, rubber reclaiming; textile industry; manufacture of fatty acids.

FERTILIZER AND FERTILIZER MATERIALS

AGRICO®—the Nation's Leading Fertilizer
AA® QUALITY Fertilizers
18% NORMAL© Superphosphate
AGRI-PHOS® Superphosphate
AA QUALITY® Ground Phosphate Rock
SUPERPHOSPHATE
PHOSPHATE ROCK—Florida Land Pebble
AGRINITE®—the organic Plant Food

Your inquiries are invited. Write or phone Chemical Department—BArclay 7-1400

The AMERICAN AGRICULTURAL CHEMICAL Co.

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(1959)

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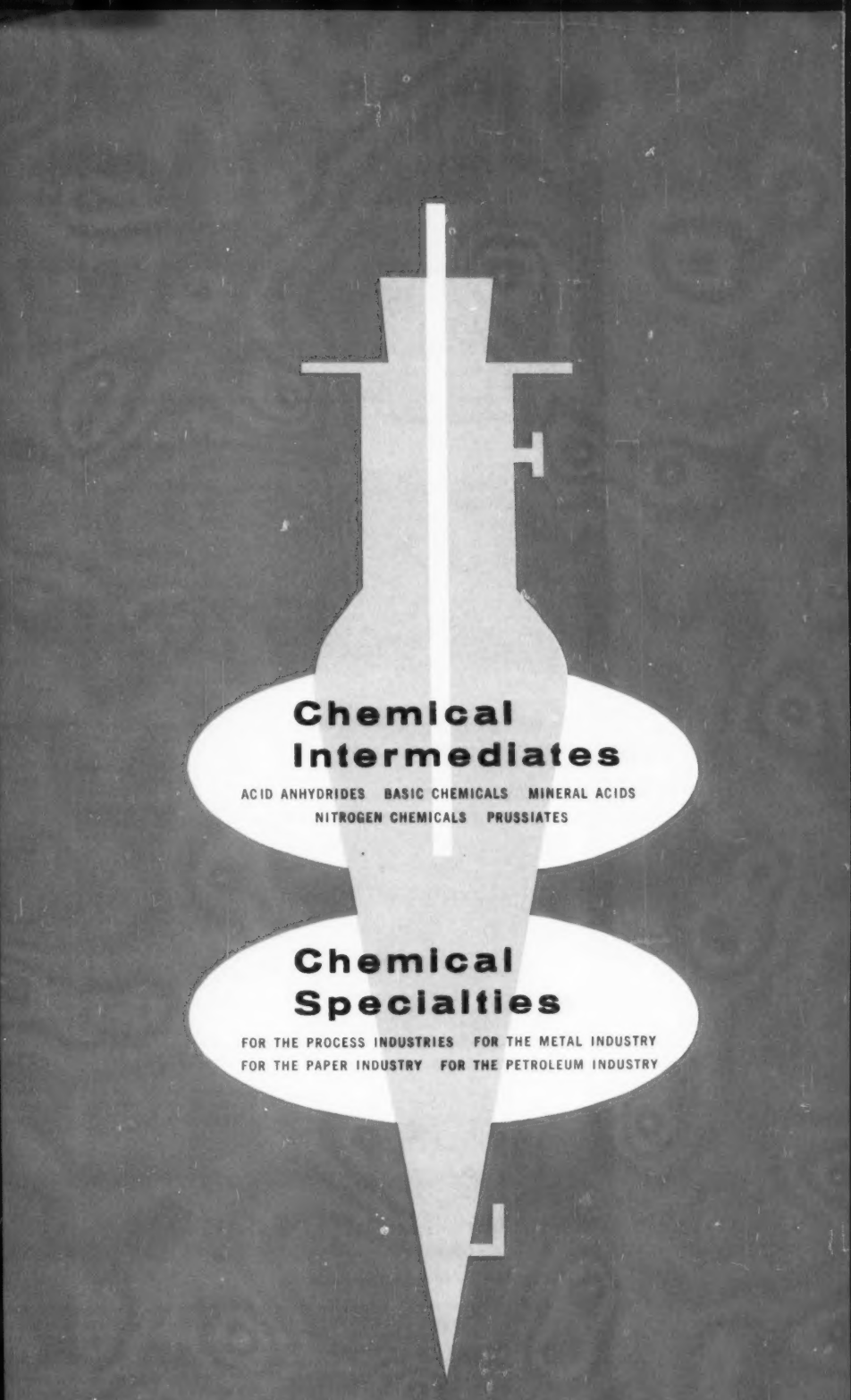
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CYANAMID OF
CANADA LIMITED

Montreal, P. Q.
5550 Royalmount Avenue
Town of Mount Royal

Toronto 5, Ontario
160 Bloor Street E.



CYANAMID

INDUSTRIAL CHEMICALS DIVISION

chemical intermediates

	DESCRIPTION	APPLICATION
Acid Anhydrides		
AERO* Maleic Anhydride	White briquettes. Soluble in water, benzene, acetone, chloroform and ethyl ether.	Manufacture of alkyd resins, polyester resins, esters, modified drying oils, rosin sizes, surface active agents, plasticizers, rubber chemicals, agricultural chemicals, textile sizes, pharmaceuticals and vinyl stabilizers.
AERO* Phthalic Anhydride	Available as white, free-flowing flakes or as a practically odorless liquid.	Manufacture of alkyd resins, plasticizers, synthetic resins, dyestuffs, pharmaceuticals and a variety of fine chemicals.
Basic Chemicals		
Ammonium Sulfate	Synthetic white crystal.	Used in galvanizing, soldering liquids, candle manufacture, fireproofing compositions and tanning of leather.
Ferrous Sulphate (Copperas)	Granular, free-flowing powder.	Used in treatment of potable water and sewage; also to produce iron oxides.
Potassium Calcium Cyanide	Dry Cyanide Mixture.	Used for carbonate removal and restoration of cyanide in an electroplating solution.
Aluminum Sulfate (Alum) Commercial Grade	Liquid and Dry.	Used in the manufacture of paper and as a coagulant in the purification of water and sewage. Also used in the manufacture of aluminum salts and printing inks, in the clarifying of fats and oils, as a mordant in dyeing, and in the tanning of leather.
Iron Free Grade	Liquid and Dry.	Used principally in the manufacture of fine writing paper, blueprint paper, dry lake colors, printing inks and aluminum salts. Also used in tanning white leather.
Mineral Acids		
Mixed Acid (Nitrating Acid)	Formula produced to customer's specification.	Principally a nitrating agent in the manfacture of explosives, celluloid, dyes, intermediates and other organic chemicals.
Muriatic Acid (Hydrochloric Acid)	18-20° Bé.	Used principally in textile dyeing, paper, sugar refining, electroplating and tanning industries. Also used in the refining of oils and fats and in the manufacture of organic and inorganic chemicals.
Nitric Acid	36-42° Bé.	Used extensively in the manufacture of chemicals, drugs, dyes, in pickling stainless steel, in metallurgy etching, in photo-engraving and in the manufacture of jewelry.
Oleum (Fuming Sulfuric Acid)	up to 40%.	Used in the manufacture of explosives, dyestuffs and celluloid, in the refining of oil, and as a sufonating agent in the manufacture of intermediates and organic chemicals.
Sulfuric Acid	60° Bé to 100%.	Used by the fertilizer, petroleum, steel, pigment and chemical industries. Also used in the manufacture of rayon, parchment paper and textiles, in the refining of oils and fats, and in metallurgy.
Sulfuric Acid Battery Grade (Electrolyte)	Sp. Gr. 1.150-1.835.	Used primarily in storage batteries.

chemical specialties

For the Process Industries

ACCOBOND® Resins – a series of melamine-formaldehyde and urea-formaldehyde resins for anchoring coatings and printing to cellulosic films.

AERO* Ethyl Lactate – high boiling solvent used as an antiblush agent for lacquers; plasticizer in cast phenolic resins, printing inks and sheet packaging; solvent for cellulose esters and ethers, shellac, and phthalic alkyd resins.

AERO* 2MT (Special) – 2-Mercaptothiazoline, a white, free-flowing powder. Prepared for use by the soap and detergent industry as an anti-tarnish agent for nonferrous alloys.

AERO* Metallic Stearates – Aluminum stearate is used chiefly as hydrocarbon gelling agent for greases. Calcium and zinc stearates are excellent waterproofing agents; dry lubricants for plastics, metals, rubber, ceramics, cosmetics, and cordage. Magnesium stearate is especially useful in cosmetics and pharmaceuticals.

AEROSOL® Surface Active Agents – a series of the most powerful wetting and surface active agents available. Several types and grades designed for specific uses.

CYQUEST 40® Sequestering Agent – a 40% aqueous solution for use in any manufacturing process or formulated product in which metal ion contamination has a detrimental effect. CYQUEST 40 controls or prevents processing problems caused by the presence of undesirable di- or trivalent metal ions by forming soluble unreactive metal chelates.

HYFORM® Emulsions – used by ceramic manufacturers as lubricants for die and mold release, as agents for improving the green strength of pressed pieces and as plasticizers of the ceramic materials during forming.

*Trademark

CYANAMID

	DESCRIPTION	APPLICATION
Nitrogen Chemicals		
AERO® Acetone Cyanohydrin	A clear liquid relatively stable under acid conditions, unstable when alkaline. Soluble in water, alcohol and ether.	Preparation of methyl methacrylate monomer; intermediate for pharmaceuticals, plasticizers, amino acids, and hydantoins.
AERO® Calcium Cyanamide	Anhydrous Grade: Average CaNCN content, 69%. Minimum Hydrated Grade: Partially hydrated with 4% water and unoiled; average CaNCN content, 66%. Hydrated Grade: Fully hydrated with 6% water and sprayed with 2.5% oil; average CaNCN content, 62%.	Chemical intermediate for preparation of a variety of nitrogen chemicals, including guanidine salts, pseudoureas, guanamines, other metallic cyanamides and cyanamide derivatives.
AERO® Cyanuric Chloride	White crystalline powder with a pungent odor. Undergoes hydrolysis to cyanuric acid. Soluble in ether, heptane, acetic acid, benzene, carbon tetrachloride, chloroform, methanol, various ketones.	Manufacture of dyestuffs, pharmaceuticals, plastics and resins, explosives, surface active agents, rubber chemicals, mothproofing compounds, and tanning agents.
AERO® Dicyandiamide	White, crystalline, highly reactive material with total nitrogen (as % by weight dicyandiamide) 99.0%. Soluble in water and alchohol. Pulverized grade also available for use as a curing agent for epoxy resins.	Manufacture of thermosetting resins, antioxidants, dyestuffs, intumescent coatings, curing agents for epon resins and as a chemical intermediate wherever nitrogen derivates are required. Controls viscosity and stability of converted starch, casein and protein adhesives.
AERO* Glycolonitrile	Water white liquid, soluble in water, ethanol, and ether.	Manufacture of ethylene diamine, tetraacetic acid, and glycine; component in dentifrices, pharmaceutical intermediates, and supplements in feeds; and as organic cyanide brightener.
AERO® Guanidine Hydrochloride	White granules, deliquescent and hygroscopic. Soluble in water, ethanol.	Manufacture of pharmaceuticals, dyefixing agents, antioxidants, explosives, insecticides, detergents and suriace active agents. A soluble, free source of guanidine where required.
AERO* HCN (Liquid Hydrocyanic Acid)	White to bluish-white liquid, vaporizes to extremely toxic gas: regular and sulfur free grades.	Preparation of many nitrogen-containing chemicals—variety of metallic cyanides, organic nitriles, acids, amines, amino acids.
AERO® Melamine	Fine white crystalline powder of 99% minimum melamine content. Technical grade available; also a pulverized grade for use as a blowing agent for foam rubber.	Highly reactive trimer of cyanamide. Extensively used for making thermosetting resins for molding, coatings, paper, ion exchange, bactericides, fungicides.
Prussiates		
AERO* Sodium Ferrocyanide (Yellow Prussiate of Soda) AERO* Potassium Ferrocyanide (Yellow Prussiate of Potash)	Fine, granular, lemon yellow crystals. Soluble in water, insoluble in alcohol and most organic solvents.	Production of dry colors and iron blue pigments. For case-hardening of steel, trace-metal removal and other uses. Chemical intermediate.

For the Metal Industry

AERO* Ammonium Nitrate, nitrous oxide grade — a high purity product especially suitable for the production of nitrous oxide gas.

AERO* Calcium Carbide — used as a source of acetylene for chemical manufacturing and industrial application of generated acetylene.

AERO® Di-ortho-Tolylthiourea (DOTT) — for addition to acid solutions as a metal pickling inhibitor.

AERO* Nitriding Salt. For metal heat treating.

AEROCARB® Carburizing Compounds. For metal heat treating.

AEROCASE® Case Hardening Compounds. For metal heat treating.

AEROHEAT® Neutral Heat Treating Salts. For metal heat treating and heat transfer medium.

AEROMET® Metallurgical Additive — used to increase the nitrogen content of molten steel and reduce the sulfur content of ferrous metals.

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  PAREZ® Urea-formaldehyde and Melamine-formaldehyde resins, anionic and cationic — for use where lesser wet- and dry-strength properties in paper are satisfactory. PAREZ Resin can also be used for waterproofing starch, casein, and other pigment coatings.
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  CYNOL® Softening Agents, Rewetting Agents and Defoamers.
  SODIUM PHOSPHO ALUMINATE — for improved sizing, retention of fines, control of acidity.

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  AERO® CATALYST HI-3 — Water-Gas Shift Catalyst — for the catalytic conversion of carbon monoxide with steam to carbon dioxide and hydrogen.
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  AERO® CATALYST FM-2 — Ammonia Synthesis Catalyst — an improved, promoted and stabilized magnetite composition for the catalytic synthesis of ammonia from a mixture of nitrogen and hydrogen.
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  AEROCAT® 2000 Fluid Cracking Catalyst provides activity stability with greater economy than other low-cost catalysts. It offers an octane advantage, superior resistance to attrition, and lower production of coke. Extensive testing on principal types of gas oils shows new AEROCAT 2000 to have outstanding catalytic properties.
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  CYPAN® Drilling Mud Conditioner — an organic reagent based on acrylonitrile designed to reduce water loss and promote mud stability.
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- *Aerolube®* — **LUBRICATING OIL ADDITIVES** — For improving performance characteristics of lubricating oils.
  AEROLUBE® 66 — Medium duty detergent inhibitor.
  AEROLUBE® 78 AND AEROLUBE® 111 — Heavy Duty detergent inhibitors.
  AEROLUBE® 90 — Heavy-duty detergent-dispersant.
  AEROLUBE® 93-C and AEROLUBE® 99 — Zinc dithiophosphate inhibitors.
  AEROLUBE® 106 — A low temperature detergent-inhibitor combination.

* Trade Mark

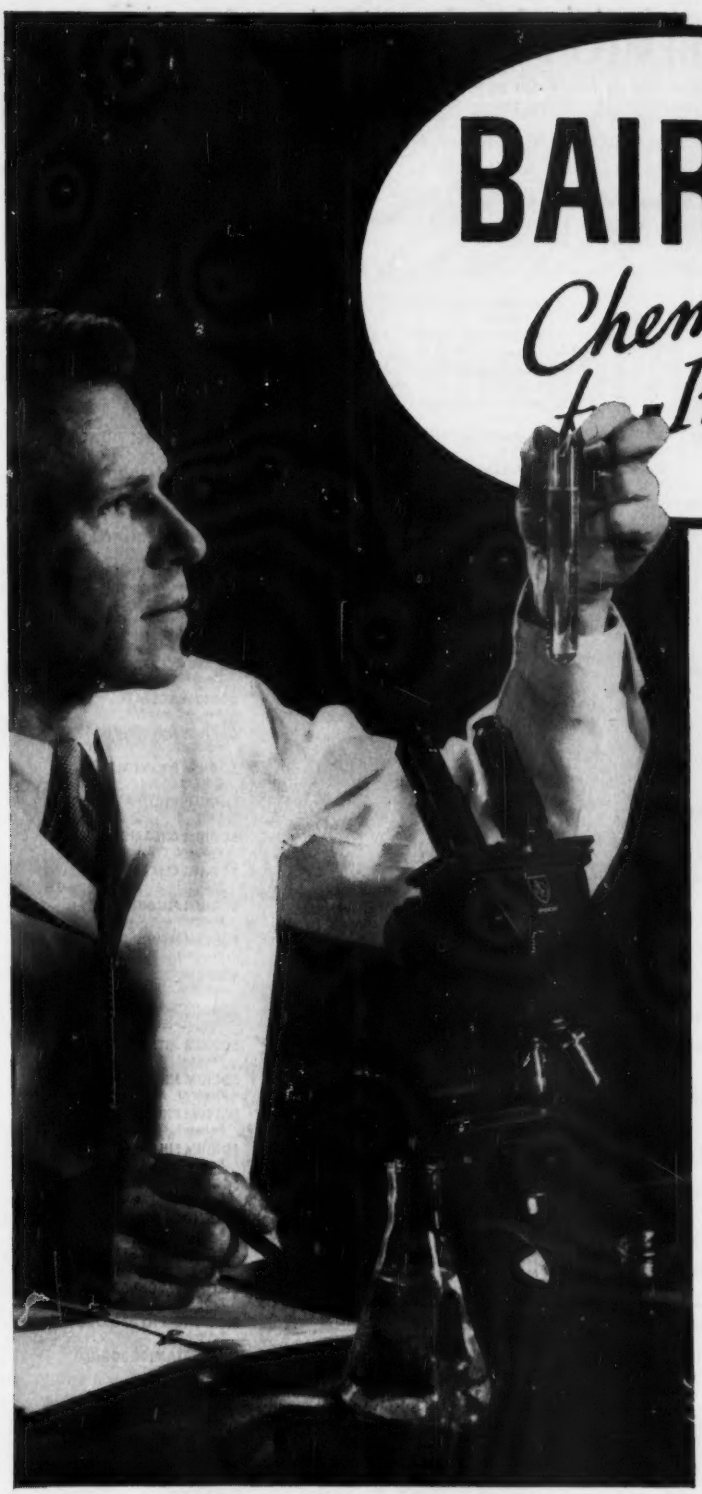
CYANAMID

AMERICAN CYANAMID COMPANY

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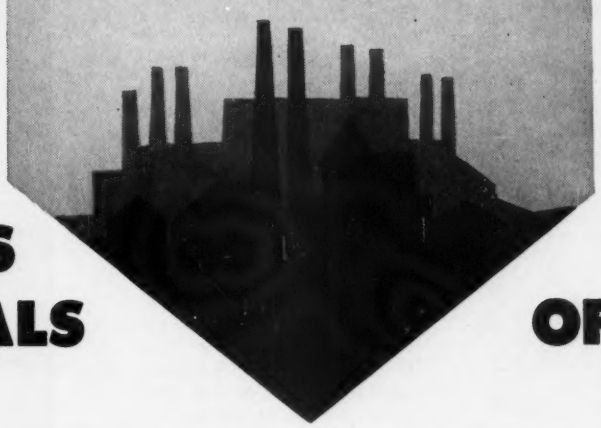
ACETIC ACID
Reagent
ACETONE
Reagent
ACETOPHENETIDIN
U.S.P.
ACETYLSALICYLIC ACID
U.S.P.
ALUMINUM HYDROXIDE
U.S.P. Dried Gels and Concentrated Wet Gels
ALUMINUM NITRATE
Reagent and Technical
ALUMINUM SULFATE
U.S.P.
AMMONIUM ACETATE
Reagent and Purified
AMMONIUM BISULFITE
Reagent
AMMONIUM BROMIDE
N.F.
AMMONIUM CHLORIDE
Reagent and U.S.P.
AMMONIUM DICHROMATE
Purified
AMMONIUM HYDROXIDE
Reagent and U.S.P.
AMMONIUM MOLYBDATE
C.P.
AMMONIUM NITRATE
Reagent and Purified
AMMONIUM PHOSPHATE
Reagent and Purified
AMMONIUM SULFATE
Reagent and Purified
AMMONIUM SULFIDE
Reagent and Technical
AMMONIUM THIOCYANATE
Technical, Crystal and Solution
ARSENIC PENTOXIDE
Technical
BARIUM HYDROXIDE
Reagent
BISMUTH NITRATE
Purified
BISMUTH SUBCARBONATE
U.S.P.
BISMUTH SUBGALLATE
N.F.
BISMUTH SUBNITRATE
N.F.
BISMUTH SUBSALICYLATE
U.S.P.
BISMUTH TRIOXIDE
Reagent
CADMIUM CHLORIDE
Reagent and Purified
CADMIUM IODIDE
Reagent
CADMIUM NITRATE
Reagent and Purified
CALAMINE
U.S.P.
CALCIUM CHLORIDE
Reagent, U.S.P. and Purified
CALCIUM NITRATE
Reagent, Purified and Technical
CALCIUM SULFATE
Reagent
CAL-IODIN
Purified
CARBON DISULFIDE
Technical
CHLOROFORM
U.S.P.
CHROMIUM NITRATE
Reagent
COBALT CHLORIDE
Purified and Technical
COBALT NITRATE
Purified and Technical
COBALT OXIDE
Reagent
CUPRIC ACETATE
Reagent
CUPRIC NITRATE
Purified
CUPRIC OXIDE
Reagent
DEXTROSE
C.P. Anhydrous
ETHYL AMINOBENZOATE
N.F.
FERRIC CHLORIDE
Reagent and Purified
FERROUS AMMONIUM SULFATE
Purified
FERROUS SULFATE
U.S.P. Exsiccated
FERROUS SULFIDE
Technical

ELECTRONIC CHEMICALS

ACETONE
Reagent
BARIUM ACETATE
C.P.
BARIUM NITRATE
Reagent
BENZENE
Reagent
BORIC ACID
Reagent
CARBON TETRACHLORIDE
Reagent
CHEMICAL N-200
CHEMICAL R-500
HYDROFLUORIC ACID
Reagent
HYDROGEN PEROXIDE
Reagent and C.P. 30%
METHANOL
Reagent
RADIO MIXTURE NO. 3
STRONTIUM NITRATE
C.P.
TOLUENE
Reagent and Purified
TRIPLE CARBONATES
XYLENE
Reagent
HYDROCHLORIC ACID
Reagent
HYDROFLUORIC ACID
Reagent and Technical
IODINE
U.S.P.
IRON
N.F.
ISOPROPANOL
Reagent
LEAD ACETATE
Reagent, N.F. and Technical
LEAD CHLORIDE
Technical
LEAD DIOXIDE
Technical
LEAD NITRATE
Reagent and Technical
LEAD THIOCYANATE
JAN-L-65
LIME
N.F.
LITHIUM CHLORIDE
Reagent and Purified
LITHIUM FLUORIDE
Technical
LITHIUM SULFATE
Reagent
MAGNESIUM CARBONATE
U.S.P.
MAGNESIUM CHLORIDE
Reagent and Purified
MAGNESIUM HYDROXIDE
N.F.
MAGNESIUM NITRATE
Technical
MAGNESIUM OXIDE
Reagent and U.S.P.
MAGNESIUM PHOSPHATE
Purified
MAGNESIUM SULFATE
Purified
MAGNESIUM TRISILICATE
U.S.P.
MANGANESE DIOXIDE
Reagent
MANGANESE SESQUIOXIDE
Purified
MANGANOUS CARBONATE
Reagent
MANGANOUS CHLORIDE
Reagent
MANGANOUS NITRATE
Reagent
MANGANOUS SULFATE
Reagent and Purified
MERCURY BICHLORIDE
U.S.P.
MERCURIC ACETATE
Reagent and Technical
MERCURIC NITRATE
Purified
MERCURIC OXIDE
Reagent, N.F. and Purified
MERCURIC SULFATE
METHYL SALICYLATE
U.S.P.
MOLYBDENUM TRIOXIDE
Reagent
MOLYBDIC ACID
Reagent and Purified
NICKELOUS CARBONATE
Reagent
NICKELOUS CHLORIDE
Reagent
NICKELOUS NITRATE
Purified and Technical
NICKELOUS OXIDE
Reagent
NICKELOUS SULFATE
Reagent
NITRIC ACID
Reagent and Technical
OXALIC ACID
Reagent
PETROLEUM ETHER
Reagent
PHENOLPHTHALEIN
U.S.P.
PHOSPHORIC ACID
N.F.
POTASSIUM ACETATE
N.F.
POTASSIUM BINOXALATE
Technical
POTASSIUM BISULFATE
Reagent
POTASSIUM BROMATE
Purified
POTASSIUM BROMIDE
Reagent and N.F.
POTASSIUM CARBONATE
Reagent, N.F. and Purified
POTASSIUM CHLORIDE
Reagent and U.S.P.
POTASSIUM CHROMATE
Purified
POTASSIUM DICHROMATE
Reagent
POTASSIUM FLUORIDE
Reagent
POTASSIUM HYDROXIDE
Reagent and U.S.P.
POTASSIUM IODATE
Purified
POTASSIUM IODIDE
Reagent and U.S.P.
POTASSIUM IODIDE-CALCIUM STEARATE
Purified
POTASSIUM MANGANATE
POTASSIUM NITRATE
Reagent
POTASSIUM NITRITE
Purified
POTASSIUM PERSULFATE
Reagent
POTASSIUM PHOSPHATE
Reagent and Purified
POTASSIUM PYROSULFATE
Reagent
POTASSIUM SULFATE
Purified
POTASSIUM THIOCYANATE
N.F. and Technical
REAGENT CHEMICALS
850 'Baker Analyzed' Reagents labeled with actual lot analysis and actual lot assay
SILICIC ACID
Reagent and C.P.
SODIUM ACETATE
Reagent and N.F.
SODIUM AMMONIUM PHOSPHATE
Purified
SODIUM BROMIDE
U.S.P.
SODIUM CHLORATE
Reagent
SODIUM CHLORIDE
Reagent, C.P. and U.S.P.
SODIUM CITRATE
Reagent
SODIUM FLUORIDE
Reagent and U.S.P.
SODIUM HYDROXIDE
Reagent and U.S.P. and Purified
SODIUM IODIDE
U.S.P.
SODIUM MOLYBDATE
Reagent and Technical
SODIUM NITRATE
Reagent
SODIUM NITRITE
Reagent
SODIUM PHOSPHATE
Reagent
SODIUM SULFATE
Reagent
SODIUM THIOCYANATE
Reagent, N.F. and Technical
STANNOUS CHLORIDE
Reagent and Technical
STRONTIUM ACETATE
Reagent
STRONTIUM CHLORIDE
Reagent
STRONTIUM HYDROXIDE
Technical
SULFACETAMIDE SODIUM
U.S.P.
SULFAPYRIDINE
U.S.P.
SULFURIC ACID
Reagent
SULFUROUS ACID
Reagent
TIN METAL
Reagent
URANIUM SALTS OF ZINC METAL
ZINC ACETATE
Reagent and Technical
ZINC CHLORIDE
Reagent
ZINC NITRATE
Technical
ZINC SULFATE
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If you're finishing nylon, start off by getting your free copy of Becco Bulletin No. 60—"Successful Bleaching of Types 670 and 200 Nylon with Peracetic Acid."

Use the coupon below.

Emery Industries, Inc.

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Becco Chemical Division
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BECCO CHEMICAL DIVISION, FMC
Station B, Buffalo 7, New York

Dept. CW-L

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Please send me a copy of your free Bulletin No. 60—"Successful Bleaching of Types 670 and 200 Nylon with Peracetic Acid."

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Please send me a free copy of Becco Bulletin No. 69.

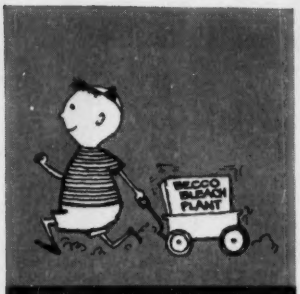
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CITY_____

ZONE_____ STATE_____



Need a Bleach Plant in a hurry?

By now, you've probably heard about Becco's Dryer Steep Bleaching Process for insuring brightness permanence by spraying Hydrogen Peroxide across the pulp sheet ahead of the dryers. And you probably know that although the process is patented, Becco will grant a perpetual license for just $1.00.

But there may still be a question in your mind as to how you can prove this out in your own mill—how you can set up a bleach plant in a hurry.

Becco has the answer to this, too. We'll be glad to provide you with a complete "bleach-plant kit"—for as long as you need it—consisting of all the equipment needed to make up peroxide bleach liquor and spray your production sheet.

Here's an opportunity for you to prove to yourself, quickly and easily, that this Becco process will maintain your layboy brightness level — even **improve** it — through shipping and delivery.

If you'd like to take us up on this offer, drop us a line, or mail the coupon below. And of course, even after we demonstrate, you incur no obligation.

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Dept. CW-J

Gentlemen:
Yes! We need a "bleach plant in a hurry". Please send us more information about Dryer Steep Bleaching.

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ADDRESS_____

CITY_____

ZONE_____ STATE_____



TECHNICAL BULLETINS DESCRIBING H_2O_2

We got 'em—
You can have 'em—
They're FREE!

Years of experience in working with Hydrogen Peroxide have produced a wealth of information on this valuable compound, its properties, and reactions. Much of this information is available virtually exclusively from Becco. We've compiled a number of Technical Bulletins, which are yours free on request. Simply decide which ones you want, and mail the coupon below.

No. 2—Hydrogen Peroxide (general information)

No. 41—Becco H_2O_2 35% HP (high purity)

No. 42—Becco H_2O_2 35% Formula D (for preparing dilute solutions)

No. 46—Concentrated H_2O_2 (over 50% concentration)

No. 70—Becco Hydrogen Peroxide SP "100" (Super Pure, of virtually 100% concentration.)

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Station B, Buffalo 7, New York
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Please send me the free Technical Bulletins checked below:

☐ #2 ☐ #41 ☐ #42 ☐ #46 ☐ #70

NAME_____

FIRM_____

ADDRESS_____

CITY_____

ZONE_____ STATE_____



Where can you use these *other* Becco PEROXIDES?

By "other", we mean "Other than Hydrogen Peroxide". Lots of otherwise knowing people labor under the impression that Becco makes only H_2O_2. Actually, there are quite a few "other" useful peroxides in Becco's catalog, some of which are especially suited to high-temperature oxidation reactions.

Look over the list below. Give you ideas? Remind you of a problem you've got? Either way, a note to Becco will bring you more information. Or, use the handy coupon.

UREA PEROXIDE—for use in hair dyeing and cold waving, disinfectants, hypo eliminators, and as a source of water-free H_2O_2.

SODIUM CARBONATE PEROXIDE—for compounding detergents and adhesives.

SODIUM PERBORATE—for use in dyestuff development, detergents, tooth-powders; as a mild bleaching agent and cold wave neutralizer.

CALCIUM PEROXIDE—for dough conditioning and in high-temperature oxidation reactions.

MAGNESIUM PEROXIDE—an antifermentative, for compounding antacids and laxatives.

ZINC PEROXIDE—for use as a disinfectant and deodorant in dusting powders, ointments, etc.

BECCO fmc

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Gentlemen:
Please send me
☐ Becco Bulletin No. 1—"Active Oxygen Chemicals".
☐ Detailed information on _____

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ADDRESS_____

CITY_____

ZONE_____ STATE_____

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AMINO ACETIC ACID TECH.
Glycine—Glycocoll
Granular and Micro-Crystalline
AMOBARBITAL U.S.P.
n-AMYL ETHYL SODIUM BARBITURATE
BENZAL ACETONE
BENZALDEHYDE TECH.
BENZILIC ACID
BENZOIN
BENZYL CHLORIDE TECH.
BENZYL ALCOHOL REAGENT GRADE
BENZYL ALCOHOL N.F.
BENZYL ALCOHOL PHOTO GRADE
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Phenylcarbinol
BENZYL CYANIDE
Phenylacetonitrile
CHLOROBUTANOL ANHYDROUS AND HYDRATE U.S.P.
CINNAMIC ACID
CINNAMOYL CHLORIDE
CYANOACETAMIDE
DIACETYL
DIPHENYL ACETIC ACID
ETHYL AMINOBENZOATE N.F.
Benzocaine
GLYCINE ETHYL ESTER HYDROCHLORIDE
HYDROXYQUINOLINE AND ITS SALTS
8-HYDROXYQUINOLINE BASE
OXYQUINOLINE BENZOATE
OXYQUINOLINE SULPHATE
POTASSIUM OXYQUINOLINE SULPHATE
METHALLYL CHLORIDE
NITRILO TRI-ACETIC ACID TECH.
Triglycollamic Acid
PENTOBARBITAL ACID
PENTOBARBITAL SODIUM U.S.P.
PHENOBARBITAL U.S.P.
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM U.S.P.
PHENYL ACETIC ACID
α-PHENYL BUTYRIC ACID
POTASSIUM PHENYL ACETATE SOLUTION
50% Phenyl Acetic Acid Content
SECOBARBITAL SODIUM U.S.P.
SODIUM PHENYL ACETATE SOLUTION
50% Phenyl Acetic Acid Content

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n-Amyl Diethyl Malonate
n-Butyl Diethyl Malonate
Diallyl Diethyl Malonate
Ethyl n-Amyl Diethyl Malonate
Ethyl-1-Methylbutyl-Diethyl Malonate
Ethyl-3-Methylbutyl-Diethyl Malonate
Ethyl-1-Methylpropyl-Diethyl Malonate
Ethyl-Phenyl-Diethyl Malonate
Iso-Propyl Diethyl Malonate
1-Methylbutyl-Diethyl Malonate
3-Methylbutyl-Diethyl Malonate
1-Methylpropyl-Diethyl Malonate
Mono Allyl Diethyl Malonate
Phenyl Diethyl Malonate

INTERMEDIATES

1-Acetyl-2-Thiohydantoin
Allyl Acetone (5-Hexen-2-one)
Benzoic Acid Tech.
Chloroacetic Anhydride
Chloroacetonitrile
Chrysanthemum-Monocarboxylic Acid Ethyl Ester
Copper Glycinate
Dibenzyl Ether
Dichloro Benzyl Chloride (Mixed)
3,4-Dimethyl Benzyl Chloride
2,5-Dimethyl Hexadiene-1,5
2,5-Dimethyl Hexadiene-2,4
Ethyl Benzyl Chlorides
Ethyl Phenyl Acetate
Glycine Amide Hydrochloride
Methyl Phenyl Acetate
2-Thiohydantoin

Samples, prices and terms on request.

BPC

CUSTOM PACKAGING

Your orders are always filled with freshly packed material. An ever increasing number of firms have expressed the desire that their material be weighed in kilos rather than pounds. We will gladly weigh and invoice in this manner.

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CUSTOM CHEMICAL MANUFACTURING

We are pleased to offer you the complete cooperation of our trained staff of chemists and chemical engineers, the facilities of our product development laboratories and chemical processing equipment. Laboratory and equipment have been designed for maximum flexibility of operation.

Our plant and laboratories are located in Nixon, New Jersey (near New Brunswick). We earnestly invite your inquiries into matters of this nature.

DATA FOLDER

Technical information on many of our products is available upon request, through our "Technical Data Folder." Included within the folder are complete listings of both our chemical intermediates and research chemicals. Write to us for a copy.

Products of

BERKSHIRE CHEMICALS, Inc.

. . . subsidiary of VITRO CORPORATION of AMERICA

Berkshire Chemicals, Inc., in addition to offering its own group of chemical products, is the sole sales agent for chemical products manufactured by the other VITRO CORPORATION of AMERICA divisions listed below.

BERKSHIRE CHEMICALS, INC.

ALUM (Iron Free)

AMMONIUM Bifluoride, Carbonate, Persulfate, and Sulfate

BARIUM Carbonate, Chloride, Octahydrate, Oxide, and Sulfate (X-Ray)

IRON Carbonate, and Copperas (Iron Sulfate)

LEAD Acetate, Nitrate

MAGNESIUM Carbonate, Chloride, Oxide, Silicofluoride, and Sulfate

POTASSIUM Carbonate, Chloride, Hydroxide, Nitrate, Persulfate, Silicofluoride, Titanium Fluoride, and Zirconium Fluoride

SODIUM Carbonate, Chloride, Chlorite, Fluoride, Perborate, Silicofluoride Sulfate, and Tetraborate (Borax)

ZINC Ammonium Chloride, Chloride, Nitrate, and Silicofluoride

ZIRCONIUM Hydroxide, Oxychloride, Nitrate, and Oxide

CLAYS: Bentonite, Precipitated Chalk, China Clay, Diatomaceous Earth, and Whiting

FERTILIZERS: "Agoxide," "Emjeo," "Potnit"

MINERALS: Ilmenite, Rutile, Silica, Talc, and Zircon

MISCELLANEOUS: Hydrofluoric Acid, and Organic Peroxides

The terms "Agoxide," "Emjeo," and "Potnit" are registered trade-marks of Berkshire Chemicals, Inc.

Vitro MANUFACTURING COMPANY

. . . producer of a full line of standard and special-purpose colors and related compounds for the glass and ceramic industries.

CADMIUM CARBONATE AND SULFIDE
GLASS COLORS
GLAZE STAINS
PORCELAIN ENAMEL OXIDES
OVERGLAZE COLORS
FRITS AND FLUXES

Vitro RARE METALS COMPANY

. . . producer of highly refined metal salts.

CADMIUM Nitrate

COBALT Acetate, Carbonate, Hydrate, Sulfate, and Sulfate Monohydrate

COPPER Acetate (basic), Carbonate (light), Nitrate, and Hydrate

NICKEL Acetate, Carbonate, Chloride, Formate, Nitrate, and Sulfate

ZIRCONIUM Acetate Solution, Carbonate (basic), Sulfate (granular and solution), and Sodium Zirconyl Sulfate

VANADYL Sulfate, and Ammonium Metavanadate

URANIUM Oxide (black), and Sodium Diuranate

HEAVY MINERALS CO.

. . . producer of rare-earth chemicals and related products.

RARE EARTH AND THORIUM OXIDES
(metal also available where starred)

Cerium★	Gadolinium	Praseodymium
Didymium★	Holmium	Samarium
Dysprosium	Lanthanum★	Scandium
Erbium	Lutetium	Terbium
Europium	Neodymium	Thorium
		Yttrium

Mixed RARE EARTH oxides, chlorides, fluorides and carbonates
Thorium Magnesium Hardener

POLISHING COMPOUNDS

Vitrox C (Cerium Oxide)
Vitrox R (Rare Earth Oxide)
Vitrox S (special grade Rare Earth Oxide)

For information on any of the above products, contact

BERKSHIRE CHEMICALS, Inc. 630 Third Avenue, New York 17, N. Y.

Sales offices: New York • Chicago • Philadelphia • Cleveland • Boston • Pittsburgh • San Francisco • Los Angeles

POLYMERS?

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Borden's complete line of polymers have earned an impressive reputation for quality, dependability and versatility.

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Borden's new Polymer Product Directory lists dozens of polymers formulated for specific applications. For your copy, see your Borden representative or write: The Borden Chemical Company, Dept. CW-99, 350 Madison Avenue, New York 17, N. Y.



STYRENE-BUTADIENE EMULSIONS

Product	Type	Average Solids %	Viscosity Brookfield LVF @ 25°C cps	pH @ 25°C	Particle Size (microns)	Free Monomer % max
POLYCO 350W	Emulsion	48	20–30	9.5–9.7	.05	0.3
POLYCO 350-35NS	Emulsion	45	50	9.0–9.6	.05	0.5
POLYCO 356W	Emulsion	48	50	9.5–9.8	.05	0.3
POLYCO 807	Emulsion	48	50	9.5–9.8	.05	0.1
POLYCO 2412	Emulsion	48	20–30	9.5–9.7	.05	0.5

ACRYLIC EMULSIONS AND SOLUTIONS

POLYCO A–37	Emulsion	40	40–60	4–6	0.4–0.5	0.5
POLYCO 2718	Emulsion	46	200 max.	9.0–9.5	0.05–0.1	0.3
POLYCO 2719	Emulsion	46	500–1000	9.0–9.5	0.05–0.1	0.3
POLYCO 2735	Emulsion	55	500–1000	9.0–9.5	0.05–0.1	0.3
POLYCO 413	Solution in MEK	40	1200–2500	–	–	–

POLYSTYRENE EMULSIONS

POLYCO 220NS	Emulsion	45	100–200	9–10	.05	0.1
POLYCO 2306	Emulsion	45	100–200	9–10	.05	0.5

SODIUM POLYACRYLATE THICKENERS

POLYCO 296N	Solution in water	15	17,000–35,000	10–12	–	–
POLYCO 296W	Solution in water	15	30,000–45,000	9–11	–	–
POLYCO 2896	Solution in water	10	7,500–12,500	8.5–11	–	–

VINYL & VINYLIDENE CHLORIDE EMULSIONS

446–5	VCL Copolymer Emulsion	44	50	3–6	0.05	0.3
2602	Vinylidene Chloride Copolymer Emulsion	48	50	–	0.05	0.3

FROM THE BORDEN POLYMER PRODUCT DIRECTORY

IF IT'S A *Borden* ©T.B.C. *Chemical* IT'S GOT TO BE GOOD!

BROWN COMPANY

Berlin, New Hampshire

SOLKA®-FLOC*

PURE, FINELY DIVIDED WOOD CELLULOSE

"**SOLKA**" is a registered trade name of the Brown Company for its chemically purified wood cellulose. "**SOLKA-FLOC**" is a finely divided cellulose produced from **SOLKA.** It is non-abrasive and relatively inert to acids, alkalis and solvents. It is practically ashless and, when bone dry, it is at least 99.5% cellulose. It is widely used as a filler, extender and processing aid in the rubber and plastics industries, as a filter aid, and in decorative coating. It is a versatile chemical raw material for the production of cellulose derivatives.

GENERAL CHARACTERISTICS

Uniformity — Unexcelled uniformity in **SOLKA-FLOC** is assured by Brown Company's own control of raw materials for conversion to flock, its large, steady volume of manufacture, and its many years of production experience in purified cellulose of every physical form.

Chemically Inert — **SOLKA-FLOC** is totally unaffected, or to a very limited degree, by solvents, dilute acids and alkalis, or even strong caustic in the cold.

Non Abrasive — The cellulose fibres in **SOLKA-FLOC** are soft and resilient and completely non-abrasive to equipment and machinery with which it is handled.

Purity — **SOLKA-FLOC** is derived from the purest of wood cellulose fibres of high alpha content. When bone dry they are 99.5% plus pure cellulose.

Color Stability — The initial high brightness of **SOLKA-FLOC** shows little reversion on exposure to ultraviolet light or to heat at 100°C.

Soft — Cellulose is inherently soft and **SOLKA-FLOC** exceptionally so; when applied by "flocking" to give sueded surfaces, **SOLKA-FLOC** contributes the softest feel obtainable from any fibre.

Fibrous — **SOLKA-FLOC** consists of fibres of 1 to 2 microns diameter and 35 to 165 microns average length; products of either higher or lower average length can be supplied.

Controlled Bulk — Each **SOLKA-FLOC** item is manufactured to a controlled bulk level; their apparent densities vary from 9 to 34 pounds per cubic foot (6.8 to 1.9 cc/gram).

Ashless — White **SOLKA-FLOC** contains only trace amounts of minerals and is thereby readily and properly combined with other substances.

Strength — **SOLKA-FLOC** fibres are tough. When used as filler, they contribute real strength to most products.

Improved Color — The **SOLKA-FLOC** line includes products of maximum initial whiteness and maximum color stability.

Absorbent — The fibres in **SOLKA-FLOC** exhibit a multitude of open ends and, under some conditions, exhibit high absorptive capacity so that these products may be used as carriers for liquids or odors or even for purification by absorption. However, proper combination with rubber, waxes and other sealing agents eliminates water absorption.

Low Gravity — The true specific gravity of pure cellulose is 1.58 and, when used as filler, **SOLKA-FLOC** is almost unique in its ability to produce light weight products.

Variety — There are eight standard **SOLKA-FLOC** products, and numerous special ones, covering a complete range of physical characteristics and finenesses for all industrial applications.

SOLKA-FLOC represents a variety of fibres of novel utility, as may readily be seen from the following tabulation of some present known applications. It is available in both white and brown grades.

BROWN COMPANY

APPLICATIONS FOR

SOLKA®-FLOC*

PURE, FINELY DIVIDED WOOD CELLULOSE

Chemical Derivatives of Cellulose

Methyl and Ethyl Ethers of Cellulose
Carboxy—Methyl Cellulose
Hydroxy—Ethyl Cellulose
Cellulose Sulfate, etc.

Plastics

Tableware, Buttons, Bottle Caps
Toys, Poker Chips, Wheels
Electrical Parts
Table Tops, Trays, etc.

Other

Coated Welding Rod
Velour Paper and Sueded Novelties
Flock Printing of Textiles
Adhesives
Can Sealing Compounds

Rubber Processing Aid

All Types Soling
Floor Tile, Matting, and Tread
Calendered Footwear
Phonograph Records
Battery Cases, Tank Lining, Rolls, etc.
Proofed Goods and Artificial Leather
Sponge and Cellular Rubber

Filter Aid

Alkalis
Plating Solutions
Industrial Effluents
Sodium Aluminate
Cutting and Cooling Oils
Pentaerythritol
Gelatin and Glue
Tallow and Lard
Waxes and Emulsions
Swimming Pool Water
Petroleum Additives
Antibiotics
Soap Solutions
Fruit Juices
Sodium Tungstate
Alum
Whiskey, Wine, and Beer
Industrial Process Water
Nicotinic Acid
Alkyd Resins
Edible Oils
Pectin
Gold Cyanide
Lubricating Oils
Viscose Regenerating Bath
Perfume
Coffee
Rust Preventives
Cellulose Acetate

Typical Physical Characteristics of Standard Items

	SW40A	SW40B	BW20	BW40	BW100	BW200	BNB40	BNB100
Brightness	87	86	84	84	84	84	18	18
Color	White	White	White	White	White	White	Brown	Brown
Approx. average particle size, microns, length	140	93	96	74	55	50	76	40
Approx. average particle size, microns, thickness	23	16	18	16	19	17	18	19
Approx. screen analysis % thru 100 mesh	70	55	55	90	95	98	85	95
Moisture Approx. as shipped	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7
Specific Gravity	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Apparent Density dry, lbs./cu/ft	10	8	14	20	30	32	20	32
Bulk, cc/2 grams	13	15	9	6	4.5	4	6	4

AVAILABILITY

SOLKA-FLOC is available in one-pound cans for experimental use. Commercial shipments are made in fifty (50) pound multi-wall paper bags, packed 40,000 pounds or more to the carload.

Customers interested in steady reliable quantities for indefinite periods can be cared for by Brown Company's usual contract procedure. Recently doubled production facilities are now in operation.

Brown Company maintains a Technical Service staff which will be glad to assist you in producing a new or a finer product, or in reducing the cost of your present product, through the use of **SOLKA-FLOC**.

Ask for specific recommendations—
Write Dept. FT at our Boston office

BROWN COMPANY

Berlin, New Hampshire

General Sales Office:
150 Causeway Street, Boston 14, Mass.

* Available in Canada from Brown Forest Products, Ltd., Montreal (Alpha Floc).

COLTON CHEMICAL COMPANY

A Division of Air Reduction Company, Incorporated • 1747 Chester Avenue, Cleveland 14, Ohio
Sales Offices and Warehouse Facilities Throughout U. S. • Export: Airco Company, International, New York 17, N.Y.

AN AIR REDUCTION PRODUCT

AT THE FRONTIERS OF PROGRESS YOU'LL FIND . . .

Write for technical data, samples and suggested formulations

	PRODUCT	GRADES	APPLICATIONS: Adhesives: Wood	Paper	Cloth	Plastics	Concrete	Joint Cement	Leather	Paints: Interior	Exterior	Primer Sealer	Low-Cost Interiors	Industrial	Floor	Textiles: Semi-gloss	Non-Woven	Finishing	Backing	Stiffening	Coatings: Heat-Seal	Leather	Grease-Proof Paper
HOMOPOLYMERS	VINAC Polyvinyl Acetate Homopolymer Emulsions	XX210	X	X	X	X	X	X	X							X	X	X	X	X		X	
		XX220	X	X	X	X	X	X	X							X	X	X	X	X		X	
		HF300		X	X	X											X	X	X	X			
		WR-20		X	X			X								X	X	X	X			X	
		WR-50		X	X		X	X		X	X	X		X		X	X	X	X	X		X	
		CE-1-P					X																
	FLEXAC	FA-5		X	X					X		X	X	X	X	X	X	X	X	X		X	
COPOLYMERS	FLEXBOND Polyvinyl Acetate Copolymer Emulsions	800		X	X	X				X	X	X	X	X				X		X			
		811		X	X	X								X		X	X						
		855		X	X	X				X	X	X	X	X									
		306		X	X	X			X	X		X		X		X	X	X			X	X	X
		100		X	X	X	X		X	X		X		X		X	X	X			X	X	X
	VINAC Polyvinyl Acetate Beads	B-7		X	X	X			X					X					X	X	X	X	X
		B-15		X	X	X			X					X		X			X	X	X	X	X
		B-25		X	X	X			X					X		X			X	X	X	X	X
		B-100		X	X	X			X							X			X	X	X	X	X
		B-800		X	X	X			X							X			X	X	X	X	X
		ASB-10		X	X	X			X							X	X		X	X	X	X	X
	VINAC Spray Dryed Powder	RP-250		X	X		X	X											X	X			
	VINOL Polyvinyl Alcohol * ** *Partially Acetylated **Fully Hydrolized	PA-5	X	X	X												X		X			X	
		PA-20	X	X	X	EMULSIFYING & THICKENING AGENT											X		X			X	
		PA-40	X	X	X	EMULSIFYING & THICKENING AGENT											X		X			X	
		FH-100	X	X	X												X		X			X	
		FH-400	X	X	X	X	IMPROVING INK HOLD-OUT									X	X		X			X	
		FH-500	X	X	X	X										X	X		X			X	
		FH-600	X	X	X	IMPROVING INK HOLD-OUT										X	X		X			X	
		FH-1500	X	X	X														X				
	Cold Water Soluble	CWS					X										X		X			X	
	DEVELOPMENTAL PRODUCTS																						
	FLEXBOND Copolymer Vinyl Acetate/Stearate Emulsions	126		X	X	X	X		X							X	X	X			X	X	X
		100		X	X	X	X		X	X		X		X		X	X	X			X	X	X
		128		X	X	X			X							X	X	X			X	X	X
		B-165		X	X	X			X									X			X	X	
	FLEXBOND Copolymer Vinyl Acetate/Stearate Beads	D-44		X	X	X	HOT MELT MODIFIERS															X	X
		D-13		X	X	X	HOT MELT MODIFIERS															X	X
		D-63		X	X	X	HOT MELT MODIFIERS															X	X
		B-142					WAX MODIFIERS																
		D-108					WAX MODIFIERS																



COMMERCIAL SOLVENTS

Nitroparaffins and Derivatives

PRODUCT GROUPS and USES	PRODUCTS
NITROPARAFFINS – The world's first commercial plant for the production of Nitroparaffins was completed by Commercial Solvents Corporation in 1955. Under development since the 1930's, the Nitroparaffins have opened a vast new area of chemistry. These truly versatile chemicals already have found wide use in many industries. **USES** – Solvents for coatings based on polymeric materials such as epoxy, acrylic, vinyl, styrene, acrylonitrile, nitrocellulose, cellulose acetate, and cellulose acetate butyrate; solvents for various dyes; synthesis of insecticides, explosives, pharmaceuticals, and photographic chemicals, selective solvents, formulation of special racing fuels, and model engine fuels and propellant; ingredients of synthetic finish removers.	Nitroethane 1-Nitropropane 2-Nitropropane
ALKATERGES® – This group comprises four substituted oxazolines. They are cationic, oil-soluble, surface-active agents. Miscible with mineral and vegetable oils and most common organic solvents. They are especially active in reducing interfacial tension between oil and water. Several other modifications of this series of compounds have been prepared and will be available shortly. **USES** – Useful as auxiliary emulsifying agents, spreading agents, pigment-grinding assistants, acid-acceptors, defoaming agents and dispersing agents. Alkaterge-T is especially useful as a corrosion inhibitor.	Alkaterge-C Alkaterge-T *Alkaterge-A *Alkaterge-E
AMINOHYDROXY COMPOUNDS – These versatile chemicals will react with higher fatty acids to form a group of soaps with unusually strong emulsifying power. Also of interest in chemical synthesis, each containing a primary amine group and at least one primary hydroxyl group. High boiling points and moderately low combining weights are distinguishing features. **USES** – Raw materials for synthesis; emulsifying agents in the form of their soaps for floor wax and other polishes, paints, and cleaners; stabilizers in urea-formaldehyde and melamine finishes. Ingredient of specialties for textile, leather, and other industries; Tris Amino is of value as an acidimetric standard and is of interest in alkyd resin synthesis.	2-Amino-2-methyl-1-propanol 2-Amino-2-methyl-1, 3-propanediol 2-Amino-2-ethyl-1, 3-propanediol Tris(hydroxymethyl)aminomethane *2-Amino-1-butanol *2-Dimethylamino-2-methyl-1-propanol
CHLORONITROPARAFFINS – A study of the chemical structure and properties of this group of chemicals will suggest many ways of utilizing them for process improvements or as aids in developing entirely new chemicals. Undoubtedly, their most important uses are yet to be discovered. **USES** – Stable liquids miscible with most organic solvents. Excellent as solvents for fats and waxes and as anti-gelling agents in rubber cement. One is a powerful fumigant for insect pests on furs, tobacco, and a variety of foodstuffs.	*1-Chloro-1-nitroethane *2-Chloro-2-nitropropane *1-Chloro-1-nitropropane *1, 1-Dichloro-1-nitroethane *1, 1-Dichloro-1-nitropropane
DIAMINES – These new diamines are the first of a long series of nitroparaffin-derived diamines which will be made available. Each diamine contains one primary and one secondary amino group. Other reactive groups can also be incorporated into the molecule, as in the case of those listed which also contain a hydroxyl group. **USES** – Suggested for use as cross-linking agents for polymers, alkaline catalysts, stabilizers for melamine and other resin finishes, dye intermediates, and in the manufacture of pharmaceuticals and surface-active agents.	*N^1-Isopropyl-2-methyl-1, 2-propanediamine *N^1-Phenyl-2-methyl-1, 2-propanediamine *N^1-(2-Hydroxyethyl)-2-methyl-1, 2-propanediamine *N^1-(2-Hydroxypropyl)-2-methyl-1, 2-propanediamine *N^1-(1, 1-Dimethyl-2-hydroxyethyl)-2-methyl-1, 2-propanediamine
HYDROXYLAMINE SALTS – The availability of these three salts at moderate prices has resulted in the rapidly increasing use of hydroxylamine as a commercial chemical. Hydroxylamine salts have unique reactivity characteristics. New applications in purification processes as well as synthesis are continually being discovered. **USES** – For controlled reduction reactions in purification, dyeing and other processes; useful for chemical synthesis, such as in the manufacture of anti-skinning agents, dyes, pharmaceuticals, rust and polymerization inhibitors, rubber chemicals and photographic chemicals; used as laboratory reagents; also potentially useful as mild oxidizing agents. Short stopper for synthetic rubber.	Hydroxylammonium Acid Sulfate Hydroxylammonium Chloride Hydroxylammonium Sulfate
NITROHYDROXY COMPOUNDS – The utility of these nitrohydroxy aliphatics can be predicted from their chemical structure. Their nitro and hydroxyl groups readily lend themselves to a wide variety of reactions. Their unusual characteristics make them of interest to almost every industry. **USES** – Of particular interest in chemical synthesis. One compound of this group has shown usefulness as a heat sensitizer for rubber latex, another as a high-boiling solvent for zein, cellulose acetate, and oil-soluble dyes. They are also used as mild oxidizing agents. Under alkaline conditions, they become formaldehyde donors, and therefore can be used as hardening agents for proteins. Tris Nitro and NMPD are effective bactericides.	Tris(hydroxymethyl)nitromethane *2-Nitro-1-butanol *2-Nitro-2-ethyl-1, 3-propanediol *2-Nitro-2-methyl-1, 3-propanediol *2-Nitro-2-methyl-1-propanol

*Denotes market development chemicals which are available in experimental quantities.

CHEMICAL FORMULA	MOLECULAR WEIGHT	SPECIFIC GRAVITY AT 20/20°C	PHYSICAL PROPERTIES: POUNDS PER U. S. GALLON AT 68°F	PHYSICAL PROPERTIES: BOILING POINT OR DISTILLATION RANGE, °C AT 760 mm	PHYSICAL PROPERTIES: FLASH POINT °F TAG OPEN CUP	SOLUBILITY ml per 100 ml: PRODUCT IN WATER, 25°C	SOLUBILITY ml per 100 ml: WATER IN PRODUCT, 25°C
$CH_3CH_2NO_2$	75.07	1.044-1.048a	8.75	114.0	106	4.5(20°C)	0.9(20°C)
$CH_3CH_2CH_2NO_2$	89.09	0.997-0.999a	8.35	131.6	120	1.4(20°C)	0.5(20°C)
$CH_3CHNO_2CH_3$	89.09	0.986-0.990a	8.24	120.3	103	1.7(20°C)	0.6(20°C)
—	Approx. 350	0.920-0.930a	7.71	Non-volatile	400f	<0.005g/100 ml	—
—	—	Melts at 59°C	—	Non-volatile	None	<0.01	—
—	—	0.885	7.37	Non-volatile	325f	0.005	3.8
—	—	0.926	7.72	Non-volatile	395f	0.4	2.56
$CH_3C(CH_3)NH_2CH_2OH$	89.14	0.934	7.77	165	153	Miscible	Miscible
$CH_3OHC(CH_3)NH_2CH_2OH$	105.14	Crystalline	—	151b	—	250g(20°C)	—
$CH_3OHC(C_2H_5)(NH_2)CH_2OH$	119.67	1.099	9.14	152-153b	—	Miscible	Miscible
$(CH_2OH)_3CNH_2$	121.14	Melts at 171°C	—	219-220b	—	80	—
$CH_3CH_2CHNH_2CH_2OH$	89.14	0.944	7.85	178	—	Miscible	Miscible
$(CH_3)_2CN(CH_3)_2CH_2OH$	117.19	0.9038a	7.51c	159-161	135f	Miscible	Miscible
$CH_3CHClNO_2$	109.51	1.258	10.47	122-128	133	<0.4	<0.5
$CH_3CClNO_2CH_3$	123.55	1.193	9.93	129-132	135	<0.5	<0.5
$CH_3CH_2CHClNO_2$	123.55	1.209	10.06	139-143	144	<0.8	<0.4
$CH_3CCl_2NO_2$	143.97	1.405	11.69	122-125	168	<0.5	<0.5
$CH_3CH_2CCl_2NO_2$	157.99	1.314	10.93	141-143	151	<0.5	<0.5
$(CH_3)_2CNH_2CH_2NHCH(CH_3)_2$	130.24	0.8027a	6.67c	147-149	115	Miscible	Miscible
$(CH_3)_2CNH_2CH_2NHC_6H_5$	164.25	0.9798a	8.11c	264-266	270f	2 ml/100 ml (25°C)	—
$(CH_3)_2CNH_2CH_2NHC_2H_4OH$	132.21	0.9632a	8.00	233-239	250f	Miscible	Miscible
$(CH_3)_2CNH_2CH_2NHC_2H_6OH$	146.24	0.9310a	7.74	225-230	240f	Miscible	Miscible
$(CH_3)_2CNH_2CH_2NHC(CH_3)_2CH_2OH$	160.26	0.936e	7.79	231	238f	Miscible	Miscible
$NH_2OH \cdot H_2SO_4$	131.11	Crystalline	—	Decomposes	—	390g/100 ml	—
$NH_2OH \cdot HCl$	69.50	Crystalline	—	Decomposes	—	94.7g/100 ml	—
$(NH_2OH)_2 \cdot H_2SO_4$	164.15	Crystalline	—	Decomposes	—	63.9g/100 ml	—
$(CH_2OH)_3CNO_2$	151.12	Melts at 175°C	—	Decomposes	—	220g/100 ml	—
$CH_3CH_2CHNO_2CH_2OH$	119.12	1.140	9.48	105b	227	20g/100 ml	—
$CH_2OHC(C_2H_5)NO_2CH_2OH$	149.15	Melts at 56°C	—	Decomposes	—	400g/100 ml	—
$CH_2OHC(CH_3)NO_2CH_2OH$	135.12	Melts at 147°C	—	Decomposes	—	80g/100 ml	—
$CH_3C(CH_3)NO_2CH_2OH$	119.12	Melts at 90°C	—	94.5-95.5b	—	350g/100 ml	—

a—At 25/25°C. b—At 10mm Hg. c—At 77°F. d—At 740mm. e—Supercooled liquid. f—Cleveland open cup.

Agricultural Chemicals

HI-D® AMMONIUM NITRATE FERTILIZER
ANHYDROUS AMMONIA
AQUA AMMONIA
NITROGEN SOLUTIONS
ETHYL FORMATE
METALDEHYDE
DILAN

To satisfy agriculture's big-tonnage appetite for nitrogen plant food, CSC supplies HI-D Ammonium Nitrate, new-granule fertilizer, made by a patented CSC process. In addition, CSC produces nitrogen solutions, aqua and anhydrous ammonia. Through fertilizer manufacturers, these products go to help make every acre more productive. Products made for pesticide formulators include ethyl formate, dilan and metaldehyde.

Animal Nutrition Products

ANTIBIOTIC FEED SUPPLEMENTS
RIBOFLAVIN FEED SUPPLEMENTS
MULTI-VITAMIN FEED SUPPLEMENTS
VITAMIN B_{12} SUPPLEMENTS
CHOLINE CHLORIDE

CSC supplies the feed industry with antibiotic and vitamin feed supplements that help produce better broilers, laying hens, turkeys and hogs. Chief among these are Baciferm® bacitracin antibiotic supplements, B•Y-16® and B•Y-21® riboflavin supplements, multi-vitamin supplements and choline chloride.

Automotive Chemicals

PEAK® AND NOR'WAY® ANTI-FREEZE
PEAK® METHANOL RACING FUEL BASE
NOR'WAY® COOLING SYSTEM CHEMICALS
NOR'WAY® AUTOMOTIVE SPECIALTIES
QUIXOL® AND QUAKERSOL®

CSC's automotive line includes both private label and branded products such as Peak® ethylene glycol anti-freeze and Nor'way® methanol anti-freeze, Nor'way® cooling system chemicals and automotive specialties. For home use, CSC markets Quixol® and Quakersol®, proprietary brands of denatured alcohol.

Turn the page for more chemicals from Commercial Solvents ▶

COMMERCIAL SOLVENTS

Industrial Chemicals

	USES	PRODUCTS
ALCOHOLS	**BUTANOL** – Nitrocellulose and other cellulose ester lacquers, dopes and thinners; urea-formaldehyde resins, vinyl acetate; inks, hydraulic fluids, cleaners; as an extractant, dehydrating agent, defrother, solvent, and a chemical raw material.	Butanol (n-butyl alcohol) $CH_3(CH_2)_3OH$
	ETHYL ALCOHOL – Cosmetics, pharmaceuticals, lacquers, inks, plastics, adhesives; raw material in manufacture of vinegar, esters, butadiene; fuel; used as extractant and drying agent.	Ethyl Alcohol, Anhydrous (200 proof) C_2H_5OH Ethyl Alcohol, 95% (190 proof) C_2H_5OH
	METHANOL – Stains, coatings, cleaners, and anti-freeze solutions; raw material for manufacture of formaldehyde, amines, esters; used as precipitant, extractant, other solvent purposes.	Methanol CH_3OH
AMINES AND AMMONIA	**AMMONIA, ANHYDROUS AND AQUA** – Low cost neutralizing agent; manufacture of dyes, explosives, resins, synthetic fibers, fertilizers, rubber and textile chemicals, fungicides, antiseptics.	Ammonia, Anhydrous Liquid NH_3 Ammonia, Aqua, 25%
	AMMONIUM NITRATE, 83% Solution – Used in the manufacture of explosives and in other industrial applications where dry crystalline material is not essential.	Ammonium Nitrate (83% sol.)
	DIMETHYLAMINE – Stabilizing agent in latex and solubilizing agent for 2,4-D; synthesis of rubber accelerators, surface-active agents, fungicides, pharmaceuticals, and dyestuffs.	Dimethylamine $(CH_3)_2NH$
	MONOMETHYLAMINE – Synthesis of surface-active agents, dyestuffs, explosives, pharmaceuticals; useful as an organic neutralizing agent.	Monomethylamine CH_3NH_2
	TRIMETHYLAMINE – Synthesis of various products including quaternary ammonium compounds; warning agent in toxic or flammable gases.	Trimethylamine $(CH_3)_3N$
	FURFURYLAMINE – Highly reactive heterocyclic compound. Undergoes reactions typical of primary amines. Properties suggest application in the synthesis of dyestuffs, resins, pharmaceuticals, rubber, and petroleum additives.	*Furfurylamine (2-furanmethylamine) $C_4H_3OCH_2NH_2$
	HYDROXYETHYLTRIMETHYLAMMONIUM BICARBONATE – This quaternary ammonium salt offers many possibilities as a latent alkaline catalyst for resins and other processes, and as an intermediate for preparing choline salts. Also available as anhydrous solution in methanol.	Hydroxyethyltrimethylammonium bicarbonate (45% aqueous solution) $(CH_3)_3NCH_2CH_2OH \cdot HCO_3$
	BENZYLTRIMETHYLAMMONIUM CHLORIDE – Catalyst in production of phenolic resins, reclaiming of scrap rubber; excellent for leaching salts from clay minerals.	Benzyltrimethylammonium Chloride* $C_6H_5CH_2N(CH_3)_3Cl$
ESTERS	**AMYL ACETATE** – Solvent for nitrocellulose, ethyl cellulose, chlorinated rubber; flavoring agent.	Amyl Acetate (90% min.) $CH_3CO_2C_5H_{11}$
	BUTYL ACETATE – High boiling solvent in nitrocellulose lacquers, dopes, and thinners; solvent in inks, adhesives, cleaning fluids, leather finishes, plastic films. Selective solvent as in isolation of penicillin.	Butyl Acetate (90%-92%) $CH_3COO(CH_2)_3CH_3$
	BUTYL LACTATE – Super high boiling solvent in lacquers; manufacture of inks, adhesives, resins and enamels.	Butyl Lactate (>95%) $CH_3CHOHCOO(CH_2)_3CH_3$
	BUTYL STEARATE – High boiling waterproofing agent; stripping compositions and in cosmetics, shaving creams, cleaners, polishes.	Butyl Stearate $C_{17}H_{33}COOC_4H_9$
	DIBUTYL PHTHALATE – Standard plasticizer in nitrocellulose lacquers, polyvinyl acetate emulsions and polystyrene-wax emulsions; used in adhesives and molded products.	Dibutyl Phthalate (>99%) $C_6H_4(COOC_4H_9)_2$
	ETHYL ACETATE – Solvent for cellulose esters and ethers; manufacture of lacquers and dopes, inks, adhesives, cleaners and duplicator fluids. High purity grade available for drugs and food products.	Ethyl Acetate (85%-88%) $CH_3COOC_2H_5$
	TRIBUTYL PHOSPHATE – Highly efficient anti-foam agent for use in water-based paints; selective solvent for uranium and other Group IV ions; pigment grinding assistant; improves adhesion of lithograph inks on metal surfaces; powerful solvent for 2,4-D; excellent heat exchange medium; used alone or with Dibutyl Phthalate as plasticizer for polystyrene-wax emulsions.	Tributyl Phosphate $(C_4H_9)_3PO_4$
PHARMACEUTICALS	**RIBOFLAVIN, U.S.P. and R.S., U.S.P.** – For fortification of foodstuffs and in pharmaceutical preparations.	Riboflavin, U.S.P. $C_{17}H_{20}O_6N_4$ Riboflavin, R.S., U.S.P. $C_{17}H_{20}O_6N_4$
	BACITRACIN – CSC's zinc bacitracin is a unique product with important advantages over other forms of this effective antibiotic. Zinc bacitracin offers both greater stability and improved palatability – characteristics of value to pharmaceutical formulators.	Zinc Bacitracin
OTHER CHEMICALS	**ACETONE** – Basic material for manufacture of numerous organic chemicals. Useful in refining and purification processes. Manufacture of rayon, cellulose ester dopes, plastics and cements, paint and varnish removers.	Acetone CH_3COCH_3
	DIMETHYLHYDRAZINE – Stable rocket propellant; reducing agent. Intermediate in synthesis of pharmaceuticals, dyestuffs, pesticides; manufacture of resins, plastics, blowing agents. Potential use in deoxygenating boiler water.	*1, 1-Dimethylhydrazine $(CH_3)_2NNH_2$
	FORMALDEHYDE – Manufacture of phenol-, urea-, and melamine-formaldehyde resins; used in the synthesis of pentaerythritol, hexamethylene tetramine, dyestuffs, pharmaceuticals; a disinfectant and fumigant, and hardening agent for protein.	Formaldehyde† HCHO
	PENTAERYTHRITOL – Important raw material used in the manufacture of alkyd resins, rosin esters and explosives.	Pentaerythritol $C(CH_2OH)_4$
	SYNTHETIC WAXES – Free from contaminants and uniform in quality, these waxes range in molecular weights from about 400 to over 1300. Completely compatible with most other common waxes. Some possess limited solubility in organic solvents while others are highly soluble. Low order of toxicity.	*Synthetic Waxes

*Denotes market development chemicals which are available in experimental quantities.

CORPORATION

260 MADISON AVENUE, NEW YORK 16, NEW YORK

CSC

PHYSICAL PROPERTIES

Molecular Weight	Specific Gravity at 20/20°C	Pounds per U.S. Gallon at 68°F	Boiling Point or Distillation Range, °C at 760 mm	Flash Point °F Tag Open Cup	SOLUBILITY ml per 100 ml: Product in Water, 25°C	SOLUBILITY ml per 100 ml: Water in Product, 25°C
74.12	0.810-0.812	6.756	117.7	114	8.90	17.12
46.07	0.7942 60/60°F	6.61 (60°F)	78.32	61	Miscible	Miscible
46.07	0.8158 60/60°F	6.79 (60°F)	78.1	66	Miscible	Miscible
32.04	0.7926 max.	6.63 (60°F)	64.5	60	Miscible	Miscible
17.03	(Density, −30°F) 0.683	5.70 (−30°F)	−33.35	–	45.7g/100ml	8.79g/100ml
–	0.9106, 60/60°F	7.58 (60°F)	35	–	–	–
–	1.383 70/4°C	11.27 (70°C)	–	–	Miscible	Miscible
45.09	0.6865 (−6°)	7.8 (25% sol)	6.88	54, (25% sol)	Very soluble	–
31.06	0.699 (−10.8°C)	7.7 (30% sol)	− 6.79	34, (25% sol)	Very soluble	–
59.11	0.662 (−5°C)	7.8 (25% sol)	2.87	38, (25% sol)	Very soluble	–
97.12	1.0502k	8.75j	145-146	100	Miscible	Miscible
165.19	1.0965k	9.15	b	–	Miscible	Miscible
185.70	1.07	8.90	b	–	411g/100ml	–
130.19	0.865-0.871	7.25	125-150	95	0.4	1.6
116.16	0.874-0.877	7.29	118-128	92	0.5	1.6
146.19	0.974-0.984	8.15	188	168	3.5	15.0
340.59	0.856-0.861h	7.14	220-225e	374e	0.2	0.03
278.35	1.047-1.049	8.72	340	340e	0.01	0.46
88.11	0.883-0.888	7.37	77.1	40	9.7	9.8
266.32	0.973-0.983	8.19	177-178d	294e	0.6	7.0
376.38	Crystalline	–	b	–	10mg/100ml	–
376.38	Crystalline	–	b	–	120mg/100ml	–
–	–	–	–	–	–	–
58.08	0.791-0.793	6.59	56.24	15	Miscible	Miscible
60.10	0.782k	6.50i	62.2-63.5	34e	Miscible	Miscible
30.03	1.096-1.108f	9.16-9.25f	−19	156-177f,g	Very soluble	–
136.15	Crystalline	–	–	–	Moderate	–
–	–	–	–	–	–	–

a—Properties are for the 62% aqueous solution. b—Decomposes. c—At 25mm Hg. d—At 27mm Hg. e—Cleveland open cup. f—Varies with methanol content (specific gravity is at 18/4°C, weight per gallon at 68°F). g—Tag closed cup. h—At 25/25°C. i—Properties are for 37% aqueous solution. j—At 77°F. k—At 25/4°C.

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Industrial Chemicals Department

COMMERCIAL SOLVENTS CORPORATION

260 Madison Ave., New York 16, N. Y.

IN CANADA: McArthur Chemical Co. (1958) Ltd., Montreal
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Pick the propellent that's best for your aerosol



One of these Freon* propellent solutions is exactly right for your aerosol product

"Freon" Propellent	PRODUCT TYPE			
	Space Spray	Surface Spray	Powder Spray	Water-Based Formulae
"Freon-12" dichlorodifluoromethane	(high-pressure 70 psig)			
"Freon-12"-"Freon-11" solutions dichlorodifluoromethane trichloromonofluoromethane	(pressure range 30-40 psig)	(pressure range 12-40 psig)	(pressure range 10-70 psig)	
"Freon-114" dichlorotetrafluoroethane		(12 psig)		(12 psig)
"Freon-12"-"Freon-114" solutions dichlorodifluoromethane dichlorotetrafluoroethane		(pressure range 12-40)		(12-60 psig)
"Freon-12"-"Freon-113" solutions dichlorodifluoromethane trichlorotrifluoroethane		(pressure range 10-70)		

NOTE: This chart indicates types of "Freon" propellents available. The exact one chosen will depend on the product dispensed and the spray pattern desired. "Freon-12"-"Freon-114" solutions are recommended for water-base products because of their stability in presence of water.

Space spray, residual spray, foam or powder—Du Pont can furnish a carefully formulated "Freon" propellent best for your aerosol product. In manufacture of "Freon", Du Pont offers aerosol propellents unsurpassed in quality, performance and range of properties. Du Pont maintains the industry's fastest propellent delivery schedules from three plants and a nationwide network of warehouses. To give you extra value, "Freon" propellents are backed up with complete laboratory and marketing service.

You can call on Du Pont's experienced chemists and marketing experts if you need help with your aerosol development, production or marketing problems. For more information or assistance, write to E. I. du Pont de Nemours & Co. (Inc.), "Freon" Products Division **369**, Wilmington 98, Delaware, and be sure to specify "Freon" for all your propellent needs.

FREON® *propellents*

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BETTER THINGS FOR BETTER LIVING
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**Freon and combinations of Freon- or F- with numerals are Du Pont's registered trademarks for its fluorinated hydrocarbon propellents.*

CELANESE CHEMICALS



Celanese
CHEMICALS

1959/1960

INTERMEDIATES

ACIDS
- Acetic Acid
- Butyric Acid
- Propionic Acid

ALDEHYDES
- Acetaldehyde
- Formaldehyde
- Formcel Solutions
- Paraformaldehyde
- Trioxane

ANHYDRIDES
- Acetic Anhydride
- Propionic Anhydride

LACTONES
- beta-Propiolactone

POLYOLS
- Pentaerythritol
- Trimethylolpropane

SALTS
- Sodium Acetate
- Sodium-Propionate
- Calcium Propionate

VINYL MONOMERS
- Vinyl Acetate
- Methyl Acrylate
- Ethyl Acrylate
- Butyl Acrylate

SOLVENTS

ALCOHOLS
- Methanol
- Normal Propyl Alcohol
- Isobutyl Alcohol
- Normal Butyl Alcohol

ESTERS
- Normal Propyl Acetate
- Normal Butyl Acetate
- 901 Acetate

GLYCOLS
- Propylene Glycol Technical
- Dipropylene Glycol
- 1,3-Butylene Glycol
- 2,3-Butylene Glycol

KETONES
- Acetone

SPECIAL SOLVENTS
- Mixtures

OTHER
- Methylal

PLASTICIZERS
- Tricresyl Phosphates
- Tributyl Phosphate
- Triphenyl Phosphate
- Tris(beta-chloroethyl) Phosphate
- Tris(dichloropropyl) Phosphate
- Epoxy Esters
- Cresyl Diphenyl Phosphate

GASOLINE ADDITIVES
- Celluflex GA
- Celluflex GA Blend
- Tricresyl Phosphate GA
- CDP-GA

FUNCTIONAL FLUIDS
- Fire-resistant phosphate ester fluids in controlled viscosities. Cellulube 90, 150, 220, 300, 550 and 1000
- Cellulube A-60

CELLULOSICS
- Cellulose Acetate
- Cellulose Triacetate
- Cellulose Propionate

CELANESE CORPORATION OF AMERICA / CHEMICAL DIVISION
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Celanese ORGANIC CHEMICALS

INTERMEDIATES

ACIDS

ACETIC ACID—reactant and solvent in manufacture of cellulose acetate and other chemical fibers and plastics; intermediate for ester solvents, dyestuffs, metallic salts, pharmaceuticals and herbicides.

BUTYRIC ACID—used in the manufacture of cellulose acetate butyrates for lacquers and molding plastics. Intermediate for production of butyric esters used in artificial flavors and plasticizers.

PROPIONIC ACID—used to produce cellulose propionate molding materials, esters for lacquers, flavors, perfumes, sodium and calcium propionate (mold inhibitors); additive to cattle feeds, intermediate for production of herbicides.

ALDEHYDES

ACETALDEHYDE—basic in production of acetic acid, acetic anhydride, pentaerythritol; intermediate in making DDT, dyes, pharmaceuticals.

FORMALDEHYDE, AQUEOUS—reacts with phenol, urea and melamine to form plastics and resinous products; agricultural disinfectant and bactericide; rubber preservative; sulfide corrosion inhibitor; mothproofing agent; tanning agent.

FORMCEL SOLUTIONS—relatively water-free formaldehyde solutions in alcohols, especially adaptable to production of alcoholated urea and melamine resins, coatings, laminating and textile-treating resins, embalming fluids.

PARAFORMALDEHYDE (Formaldehyde 91%)—furnishes formaldehyde in more concentrated form than in commercially available aqueous solutions for manufacture of high-solids phenolic and urea resins. Low water content allows larger batches, higher yields, shorter cycle and processing times. Typical end uses served are water-repellent textile finishes, adhesives, and pharmaceuticals. Also used as fungicide and bactericide.

TRIOXANE—as the source of completely anhydrous formaldehyde, can be advantageously used in organic synthesis; solid heating tablet; excellent solvent and reaction medium where formaldehyde is required but where reaction rate must be controlled.

ANHYDRIDES

ACETIC ANHYDRIDE—acetylating and esterifying agent in preparation of cellulose acetate; also used to make dyes, pharmaceuticals, esters, intermediates.

PROPIONIC ANHYDRIDE—acetylating agent for making cellulose propionate; used to prepare intermediates, esters, films, aromatic chemicals, pharmaceuticals.

LACTONES

beta-PROPIOLACTONE—chemical intermediate having marked difunctionality. Used for preparation of derivatives of beta-propionic acid and hydracrylic acid; also an intermediate for modification of carbohydrates.

POLYOLS

PENTAERYTHRITOL—used in manufacture of medium-and long-oil alkyd resins for the production of surface coatings with higher gloss retention, faster drying time, increased durability. Also used in production of rosin esters and synthetic drying oils. New pelletized technical grade gives easier handling, reduces dust hazard and waste. Pure crystal grade also available.

TRIMETHYLOLPROPANE—in manufacture of alkyd-based baking enamels, provides better adhesion, color, color retention and hardness. In polyurethanes, provides greater mixing ease in compounding polyesters and pre-polymers with diisocyanates and gives better physical properties.

SALTS

SODIUM ACETATE—used in preparation and application of azo dyestuffs, in the manufacture of copper acetate pigments, and as a neutralizer and mordant in the textile and leather industries.

SODIUM & CALCIUM PROPIONATES—used in treatment of ketosis in cattle as a rumen supplement; fungicidal properties make these products useful in many applications; effective mold inhibitor in the baking industry.

VINYL MONOMERS

VINYL ACETATE—basic material in manufacture of polyvinyl resin adhesives, textile and paper coatings, plastic films, sheeting and molding materials, water-emulsion paints.

METHYL ACRYLATE—vinyl monomer used in manufacture of leather finish resins, textile and paper coatings and plastic films. Produces the hardest resin of the acrylate ester series.

ETHYL ACRYLATE—vinyl monomer used in manufacture of water-emulsion paint vehicles, textile and paper coatings, leather finish resins and adhesives. Imparts flexibility to hard films.

BUTYL ACRYLATE—vinyl monomer used in manufacture of copolymers important to the water-emulsion paint, adhesive and paper coating trades. Imparts flexibility, tackiness and water resistance to films.

CELANESE® CELLUFLEX® CELLULUBE® CELLUPHOS® FORMCEL® LINDOL® BPL Trademark

INTERMEDIATES

	MOL WT	PURITY % by wt min	COLOR Platinum-Cobalt scale, max	WATER CONTENT % by wt max	IRON, PPM max	ACIDITY % by wt max	WEIGHT lb /gal 20 C	SPECIFIC GRAVITY 20/20 C
ACIDS								
ACETIC ACID	60.05	99.85	10	0.15	1.0	0.05[a]	8.74	1.050-1.055
BUTYRIC ACID	88.10	99.5	15	0.20	—	—	7.99	0.9580-0.9610
PROPIONIC ACID	74.08	99.0	15	0.25	1.0	—	8.29	0.9945-0.9955
ALDEHYDES								
ACETALDEHYDE	44.05	99.0	20	—	—	0.1[b]	6.49	—
								ALCOHOL CONTENT % by wt
FORMALDEHYDE 37% (1% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.26	1.0 max
FORMALDEHYDE 37% (7% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.13	6.5-7.5
FORMALDEHYDE 37% (12-15% Methanol)	30.03	37.2±0.2	10	—	0.5	0.02[a]	9.05	12-15
FORMALDEHYDE 44% (1% Methanol)	Mixture	44.0-45.0	10	—	0.5	0.03[a]	9.44	1.5 max
FORMALDEHYDE 44% (6-7% Methanol)	Mixture	44.0-45.0	10	—	0.5	0.03[a]	9.31	6-7
METHYL FORMCEL 48.5%	Mixture	46.5±0.5 (as HCHO)	10	10.0	0.5	0.04[a]	8.48	—
METHYL FORMCEL 55%	Mixture	55.0±0.5 (as HCHO)	10	12.0	0.5	0.05[a]	8.92	—
n-PROPYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	8.5	0.5	0.03[a]	8.14	—
n-BUTYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	8.5	0.5	0.03[a]	8.14	—
ISOBUTYL FORMCEL 40%	Mixture	40.0±0.5 (as HCHO)	10	8.5	0.5	0.03[a]	8.12	—
PARAFORMALDEHYDE FLAKE (Formaldehyde 91%)	—	91.0	—	9.0	2.0	0.03[a]	—	—
PARAFORMALDEHYDE POWDER (Formaldehyde 91%)	—	91.0	—	9.0	2.0	0.03[a]	—	—
TRIOXANE (Formaldehyde 99%)	90.08	—	—	—	2.0	0.02[a]	—	—
ANHYDRIDES								SPECIFIC GRAVITY 20/20 C
ACETIC ANHYDRIDE	102.09	98.5	10	—	1.0	1.5[b]	9.02	1.080-1.085
PROPIONIC ANHYDRIDE	130.14	99.0[e]	20	—	—	—	8.43	1.010-1.015
LACTONES								
beta-Propiolactone (BPL*)	72.03	97.0	20	nil	—	—	9.56	1.1490[d]
POLYOLS							BULK DENSITY lb/cu ft	
PENTAERYTHRITOL, Technical (Pellets or crystals)	—	88.0	—	0.4	—	—	45[d]	—
PENTAERYTHRITOL, Pure	136.15	97.0	—	0.1	—	—	45[d]	—
TRIMETHYLOLPROPANE	134.17	98.5	—	0.05	—	0.002[a]	38[d]	—
SALTS								
SODIUM ACETATE, ANHYDROUS	82.04	99.0	—	0.9	50	—	33[d]	—
SODIUM PROPIONATE	96.07	—	25 (15% sol)	5	50	—	36[d]	—
CALCIUM PROPIONATE	186.22	—	25 (15% sol)	5	50	—	34[d]	—
VINYL MONOMERS							WEIGHT lb/gal 20 C	
VINYL ACETATE	86.09	99.8	5	0.05	—	0.01[b]	7.77	0.9335-0.9340
METHYL ACRYLATE	86.09	99.5	10	0.10	—	0.009[c]	7.96	0.9561-0.9576
ETHYL ACRYLATE	100.11	99.5	10	0.10	—	0.009[c]	7.68	0.9227-0.9242
BUTYL ACRYLATE	128.17	99.5	10	0.10	—	0.009[c]	7.49	0.9001-0.9016

*—Trademark a—formic acid content b—as acetic acid c—as acrylic acid d—approximate e—morpholine

SOLVENTS

ALCOHOLS

METHANOL—excellent solvent for cellulose nitrate, other natural and synthetic resins and gums. Intermediate for formaldehyde production.

NORMAL PROPYL ALCOHOL—excellent solvent for ethyl cellulose and flexographic inks. Latent nitrocellulose solvent with same evaporation rate as butyl acetate.

ISOBUTYL ALCOHOL—modifying agent in alcoholated ureas. Latent solvent in lacquers.

NORMAL BUTYL ALCOHOL—latent solvent for cellulose nitrate lacquers, dopes and thinners. Solvent for urea-formaldehyde resins.

ESTERS

NORMAL PROPYL ACETATE—economical replacement for either MIBK or butyl acetate-ethyl acetate mixtures in nitrocellulose lacquers.

NORMAL BUTYL ACETATE—widely used medium-evaporating solvent in lacquers.

901 ACETATE—a slow evaporating solvent for emulsion lacquers and for high-build, hot-spray or conventional lacquer thinners.

GLYCOLS

PROPYLENE GLYCOL Technical—important component for production of polyester resins. Co-solvent for brake fluids.

DIPROPYLENE GLYCOL—provides excellent coupling action as co-solvent for brake fluids and printing inks.

1,3- and 2,3-BUTYLENE GLYCOL—highly purified glycols used in polyesters, polyurethanes, plasticizers, surfactants, and humectants. Effective coupling agents and ink components.

KETONES

ACETONE—powerful solvent for cellulose acetate, nitrocellulose, oils, greases, fats, gums, explosives and dyes. Intermediate in manufacture of acrylates.

SPECIAL SOLVENTS

CELANESE SOLVENT 203—low cost replacement for normal butyl alcohol in nitrocellulose lacquers, alkyd resin formulations, and thinners.

CELANESE SOLVENT 301—replaces ethanol/butanol mixtures, sec-butanol, and mixtures of methyl isobutyl carbinol/isopropanol, in lacquers and thinners.

CELANESE SOLVENT 601—economical replacement for MEK in vinyl and nitrocellulose applications.

CELANESE SOLVENT 901H—economical replacement for butanol and methyl isobutyl carbinol in lacquers and brake fluids.

OTHER

METHYLAL—fast evaporating diether solvent and pharmaceutical extractant. Useful for polystyrene, nitrocellulose, and as additive for gasoline and diesel fuel.

PLASTICIZERS

CELLUFLEX 179A (tricresyl phosphate, low specific gravity)—contains the lowest ortho content commercially available. Useful as a flame-resistant plasticizer, particularly in cellulosics and vinyls.

CELLUFLEX 179C (tricresyl phosphate, general purpose grade)—combines excellent solvent power and flame-retardant properties with low volatility as plasticizer for vinyl resins and cellulosics. Especially advantageous for coatings and films where flame resistance and toughness are vital. Also used as adhesive in air filters.

CELLUFLEX 179EG (tricresyl phosphate, electrical grade)—affords the insulation industry excellent solvent properties and inherent flame resistance with uniform high electrical characteristics and lower weight per unit volume.

LINDOL (tricresyl phosphate, low color)—standard flame-resistant plasticizer in vinyl and cellulosic plastics, and in vinyl, cellulose nitrate and ethyl cellulose coatings. Also widely used as lubricant and additive in both petroleum and synthetic lubricants. Low volatility and good resistance to extraction by oil are additional assets.

CELLUPHOS 4 (tributyl phosphate)—foam depressant for emulsion systems, plasticizer for nitrile elastomers. Solvent and extractant. Complexing agent for inorganics.

CELLUFLEX TPP (triphenyl phosphate)—most widely used plasticizer in cellulose acetate. Excellent fire-resistance; good flexibility; produces clear tough compositions. Also used in phenolic plastics.

CELLUFLEX CEF (tris[beta-chloroethyl] phosphate) —exceptionally flame-retardant plasticizer imparting unique properties to a variety of plastics and surface coatings. Can be used effectively with such resins as: polyurethane, phenolics, polyesters, epoxies, polyvinyl chloride, polyvinyl acetate, nitrocellulose, cellulose acetate, ethyl cellulose.

CELLUFLEX FR-2 (tris[dichloropropyl] phosphate)—exceptional flame retardant for a variety of plastics and coatings. Can be used effectively with such resins as polyurethanes, phenolics, polyesters, epoxies, polyvinyl chloride, and others.

CELLUFLEX 21 (alkyl epoxystearate)—imparts excellent low-temperature flexibility and improved heat and light stability to polyvinyl chloride and certain other polymers. Imparts low viscosity and viscosity stability to plastisols.

CELLUFLEX 23 (alkyl epoxystearate)—economical low-temperature plasticizer and stabilizer for polyvinyl chloride and certain other polymers.

CELLUFLEX 112 (cresyl diphenyl phosphate)—for high degree of flame-resistance in vinyl formulations, better low temperature properties, and light stability than with tricresyl phosphate.

Descriptive Data

SOLVENTS

	MOL WT	DISTILLATION RANGE, C	COLOR Platinum-Cobalt scale, max	WATER CONTENT % by wt, max	FLASH POINT, F open cup	ACIDITY as acetic % by wt max	WEIGHT lb/gal 20 C	SPECIFIC GRAVITY 20/20 C
ALCOHOLS								
METHANOL	32.04	1.0	5	0.15	60	0.003	6.63*	0.7928 max
NORMAL PROPYL ALCOHOL	60.09	2.0 incl 97.15	5	0.2	90	0.003	6.70	0.8045-0.8070
ISOBUTYL ALCOHOL	74.12	2.0 incl 107.9	10	0.2	100	0.003	6.70	0.8030-0.8040
NORMAL BUTYL ALCOHOL	74.12	1.5 incl 117.7	10	0.1	115	0.005	6.75	0.810-0.812
ESTERS								
NORMAL PROPYL ACETATE	—	95-103	15	TO PASS HEPTANE TEST	65	0.01	7.32	0.878-0.883
NORMAL BUTYL ACETATE	—	118-128	10	TO PASS HEPTANE TEST	100	0.01	7.29	0.874-0.876
901 ACETATE	—	140-165(98%)	20	0.2	114	0.025	7.33	0.875-0.885
GLYCOLS								
PROPYLENE GLYCOL Technical	76.09	185-190	10	0.2	225	0.01	8.64	1.037-1.039
DIPROPYLENE GLYCOL	134.17	215-245	—	0.5	280	0.01	8.52	1.020-1.030
1,3-BUTYLENE GLYCOL	90.12	200-215	15	0.5	250	0.005	8.40	1.005-1.010
2,3-BUTYLENE GLYCOL	90.12	175-195	15	0.5	185	0.005	8.38	1.002-1.006†
KETONES								
ACETONE	58.08	1.0 incl 56.1	5	0.5	15	0.002	6.61	0.7910-0.7925
SPECIAL SOLVENTS								
CELANESE SOLVENT 203	Mixture	115-120	10	0.2	100	0.005	6.78	0.813-0.825
CELANESE SOLVENT 301	Mixture	98-101	10	0.2	90	0.003	6.72	0.805-0.809
CELANESE SOLVENT 601	Mixture	74-84	20	0.3	10	0.005	7.07	0.825-0.845
CELANESE SOLVENT 901N	Mixture	125-155	20	TO PASS HEPTANE TEST	120	0.009	7.00	0.836-0.845
OTHER								
METHYLAL	76.09	42.0-43.5	10	1.5	0	0.10	7.18	0.8615-0.8645

*at 60 F † 25/25 C

PLASTICIZERS

	DESCRIPTION	APPEARANCE	COLOR Platinum-Cobalt scale, max	SPECIFIC GRAVITY 20/20 C	ACIDITY mg KOH/ gram sample	PERMANGANATE TIME, min (in minutes)	WATER CONTENT % by wt max
CELLUFLEX 179A	Tricresyl phosphate, low specific gravity	Clear transparent liquid	100	1.143±0.006	0.1	30	0.1
CELLUFLEX 179C	Tricresyl phosphate, general purpose grade	Clear transparent liquid	100	1.165±0.005	0.1	30	0.1
CELLUFLEX 179EC	Tricresyl phosphate, electrical grade	Clear transparent liquid	100	1.143±0.006	0.1	30	0.1
LINDOL	Tricresyl phosphate, low color	Clear transparent liquid	50	1.167±0.005	0.1	30	0.1
CELLUPHOS 4	Tributyl phosphate	Clear transparent liquid	25	0.978-0.983	0.5	—	0.2
CELLUFLEX TPP	Triphenyl phosphate	White flake	—	—	0.03	30	0.1
CELLUFLEX CEF	Tris(beta-chloroethyl) phosphate	Clear transparent liquid	50	1.425±0.005	0.1	—	0.1
CELLUFLEX FR-2	Tris(dichloropropyl) phosphate	Clear transparent liquid	100	1.513±0.005	0.1	—	0.1
CELLUFLEX 21	Epoxy ester	Clear transparent liquid	1.5 Gardner	0.900±0.005	0.5	—	0.1
CELLUFLEX 23	Epoxy ester	Clear transparent liquid	1.5 Gardner	0.918±0.005	0.5	—	0.1
CELLUFLEX 112	Cresyl diphenyl phosphate	Clear transparent liquid	40	1.200±0.005	0.1	30	0.1

GASOLINE ADDITIVES

CELLUFLEX GA (tricresyl phosphate)—conforms to requirements of MIL-T-9188B(USAF).

CELLUFLEX GA BLEND—a blend of Celluflex GA with suitable carrier solvents for use in aviation and automotive fuel.

TRICRESYL PHOSPHATE GA—a recognized deposit-modifying material for high-compression automotive fuels.

CDP-GA—provides the established benefits of phosphorus-containing deposit modifiers in automotive gasolines at an economical price.

FUNCTIONAL FLUIDS

CELLULUBE SAFETY SERIES

CELLULUBE 90, 150, 220, 300, 550 and 1000—a series of functional fluids specially developed to combine superior fire-resistance with excellent lubricating qualities. Available in controlled viscosities for industrial hydraulic and lubricant applications.

LOW-TEMPERATURE HYDRAULIC FLUID

CELLULUBE A-60—a new fire-resistant fluid for aircraft and industrial use in hydraulic systems operating in sub-zero climatic conditions. It permits start-up and operation of hydraulic systems at —50 F.

CELLULOSICS

CELLULOSE ACETATE—PLASTIC AND SPINNING GRADES

HB-105—designed for spinning textile yarns.

HBML-70—low viscosity for molding compounds, cast film, extruded film, sheeting, cements, lacquers, dope coatings.

HL-60, HL-120—low, high viscosities for foregoing applications—especially recommended where good clarity is required.

HBL-120—similar to HL-120 in use, but dope solutions made from HBL-120 are somewhat easier to filter.

CELLULOSE ACETATE—PREMIUM GRADE

HLFS-43, HLFS-93—filtered and stabilized, this series is recommended for premium plastics applications where best clarity and color for molding compounds, sheets, films and coatings are essential. Available in low and high viscosities.

CELLULOSE TRIACETATE

For films of superior dimensional stability.

CELLULOSE PROPIONATE—for films, sheeting, hot melts, coatings, etc., where toughness, dimensional stability, high heat-distortion temperatures, good odor, and surface hardness are desired. Available in low and high viscosities.

Descriptive Data

GASOLINE ADDITIVES

	DESCRIPTION	APPEARANCE	COLOR NPA max	SPECIFIC GRAVITY 20/20 C	ACIDITY mg KOH/ gram sample	PERMANGANATE TIME, min (in minutes)	WATER CONTENT % by wt max
CELLUFLEX KA	Tricresyl phosphate	Clear transparent liquid	1½	1.160-1.175	0.2	30	0.1
TRICRESYL PHOSPHATE GA	Tricresyl phosphate	Clear transparent liquid	1½	1.162±0.015	0.10	—	0.1
CDP-GA	Cresyl diphenyl phosphate	Clear transparent liquid	1½	1.197±0.007	0.2	—	0.1

FUNCTIONAL FLUIDS (FIRE-RESISTANT HYDRAULIC FLUIDS AND LUBRICANTS)

CELLULUBE SAFETY SERIES

	DESCRIPTION	AUTO-IGNITION POINT, F, min	CLEVELAND OPEN CUP FLASH POINT, F min	CLEVELAND OPEN CUP FIRE POINT, F min	COLOR NPA max	SPECIFIC GRAVITY 60/60 F	ACIDITY mg KOH/ gram sample max	VISCOSITY SUS 100 F	WATER CONTENT % by wt max
CELLULUBE 90	Phosphate ester	1150	455	665	1½	1.200±0.005	0.1	85-105	0.1
CELLULUBE 150	Phosphate ester	1150	455	665	1½	1.165±0.01	0.1	140-160	0.1
CELLULUBE 220	Phosphate ester	1150	455	665	1½	1.145±0.02	0.1	200-230	0.1
CELLULUBE 300	Phosphate ester	1150	455	665	2	1.145±0.02	0.1	290-330	0.1
CELLULUBE 550	Phosphate ester	1150	455	665	2	1.145±0.02	0.1	550-650	0.1
CELLULUBE 1000	Phosphate ester	1150	455	665	5	1.180±0.02	0.1	900-1000	0.1

LOW-TEMPERATURE HYDRAULIC FLUID

	DESCRIPTION	SPECIFIC GRAVITY AT 60 F	VISCOSITY AT 100 F, cs	VISCOSITY AT 210 F, cs	VISCOSITY INDEX	POUR POINT F	ACIDITY mg KOH/g	AUTO-IGNITION F	VISCOSITY AT-40 F, cs, max
CELLULUBE A-80	Phosphate ester	1.010	10.2	3.4	+220	below −75	0.20	1025	500

CELLULOSICS

	COMBINED ACETIC ACID Wt %	VISCOSITY ASTM D87 1-56 Ball Fall Seconds	VISCOSITY ASTM D87 1-56 Poise	FREE ACIDITY as Acetic Acid wt %	FILTERABILITY g/sq cm (d)	Melting Range, C
CELLULOSE ACETATE HB-105	55.0±0.3	73±9[a]	276±28	0.005 max	25-35	240-260
CELLULOSE ACETATE HBML-70	54.7±0.4	26±5[a]	98±20	0.005 max	10-20	240-260
CELLULOSE ACETATE HBL-120	54.7±0.4	55±7[a]	198±25	0.004 max	10-20	240-260
CELLULOSE ACETATE HL-80	54.7±0.4	17±4[a]	64±14	0.005 max	15-25	240-260
CELLULOSE ACETATE HL-120	54.7±0.4	43±6[a]	164±17	0.005 max	15-25	240-260
CELLULOSE ACETATE HLFS-80	54.7±0.4	17±4[a]	64±14	0.007 max	1000+	240-260
CELLULOSE ACETATE HLFS-93	54.7±0.4	33±7[a]	124±20	0.005 max	1000+	240-260
CELLULOSE TRIACETATE RB-95	61.75±0.25	51±6[b]	25±3	0.010 max	25-55	290-310
CELLULOSE TRIACETATE XL-175	60.40±0.40	85±9[b]	41±5	0.010 max	25-55	290-310
CELLULOSE PROPIONATE PLFS-130	65.5±0.5[c]	24±5[a]	90±20	0.003 max	—	205-225
CELLULOSE PROPIONATE PLFS-70	65.5±0.5[c]	10±3[a]	38±12	0.003 max	—	205-225

NOTES: a. 20% solution in 90/10 acetone /ethanol, 3/32 inch stainless steel ball.
b. 10% solution in 91/9 methylene chloride/methanol, 1/16 inch aluminum ball.
c. Total saponified as propionic acid. Average moles per glucose unit, 2.35 propionate, 0.40 acetate, 0.25 hydroxy.
d. Celanese standard method, amount cellulose acetate filtered thru standard filter to plug (drip point) under constant pressure.

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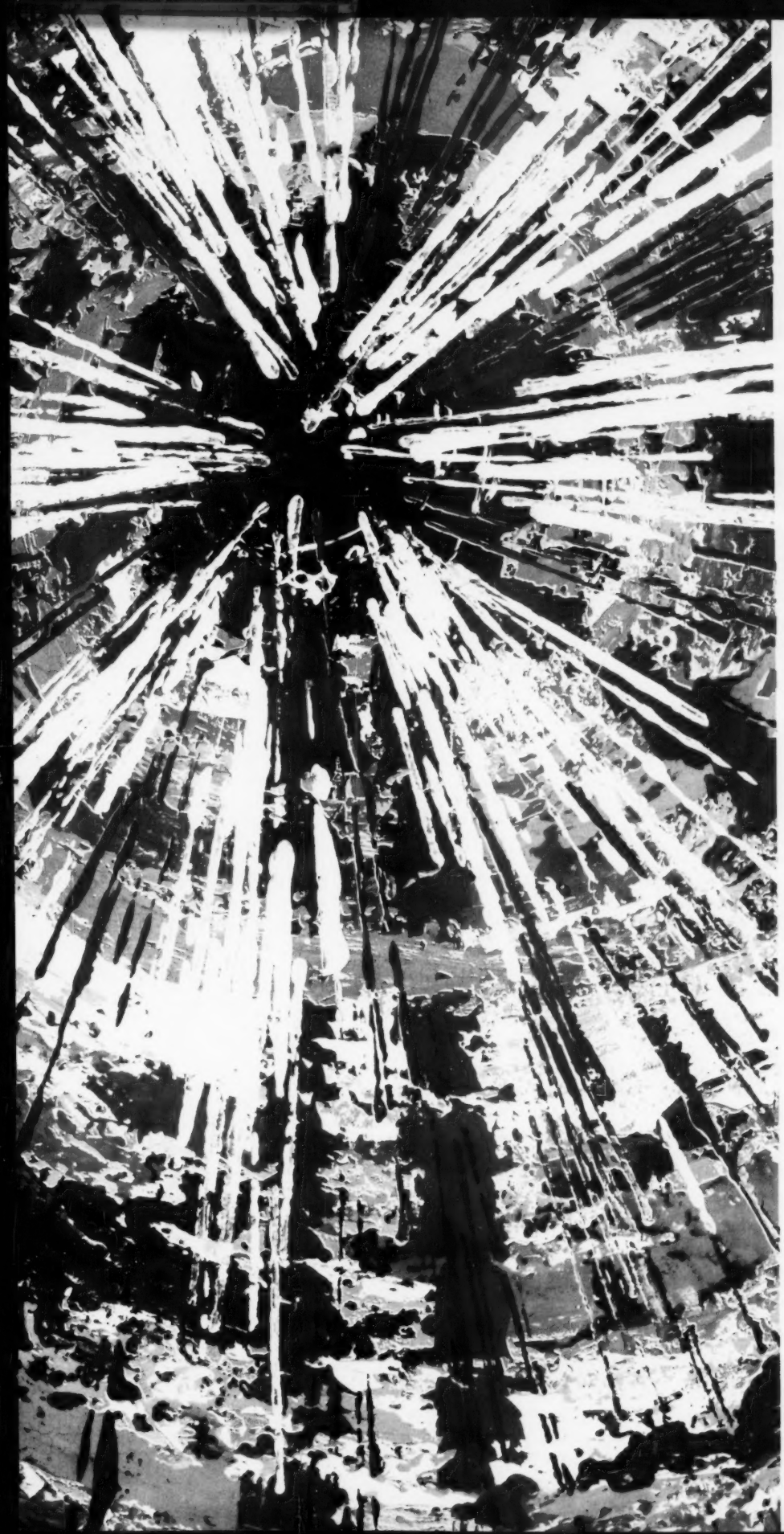
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For complete information, samples, prices, write:

CELANESE CORPORATION OF AMERICA / CHEMICAL DIVISION
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CONOCO
PETROCHEMICALS

- intermediates for synthetic detergents
- water-soluble sulfonates
- white mineral oils
- petrolatums
- secondary plasticizers for vinyls
- additive for vinyl foam
- oil-soluble sulfonates

CONOCO



INTERMEDIATE FOR ANIONIC DETERGENTS

NEOLENE® 400 is an alkyl benzene of the highest quality and an excellent intermediate for both liquid and dry detergents. It is used by many of the world's leading processors of detergents and surfactants. Its many outstanding characteristics include: uniformity and purity . . . excellent color and odor . . . makes products with exceptional wetting, cleansing and foam properties.

NEOLENE 400
TYPICAL PHYSICAL PROPERTIES

Specific Gravity at 60°F.	0.8690
Apparent Molecular Weight	237
Bromine Number	0.12
Aniline Point	48.5°F.
Refractive Index at 68°F.	1.4885
Flash Point (C.O.C.)	260°F.
Appearance	Water White
Boiling Range	535°F.-603°F.

INTERMEDIATE FOR CATIONIC DETERGENTS

CONOCO DBCL reacts with tertiary amines to form cationic surface-active agents—quaternary ammonium salts. Quaternaries are used as the active ingredients in sanitizer preparations, as textile softeners, and as antistatic agents for fibers, plastics and paper.

CONOCO DBCL
TYPICAL PHYSICAL PROPERTIES

Specific Gravity at 60°F.	0.965
Apparent Molecular Weight	292
Activity	Approx. 95%
Minimum Activity	90%
Flash Point (C.O.C.)	355°F.
Viscosity S.U.S. at 100°F.	105
Pour Point	Less than –5°C.

WATER-SOLUBLE SULFONATES

Anionic surface-active agents of extremely high activity and purity are made from CONOCO LS-320 . . . Continental's new sulfonic acid produced by sulfonating NEOLENE 400 with gaseous SO_3. You get important savings because the low salt content eliminates costly salt extraction, reduces need for coupling agents, and requires little perfuming because of very low odor.

CONOCO LS-320
TYPICAL PHYSICAL PROPERTIES

Activity (Sulfonic Acid)	95%
Activity (Sulfuric Acid)	1.5%
Density gm./cc. at 86°F.	1.07
Molecular Weight	332

Other products available to you in commercial quantities include:

CONOCO SULFONIC ACID 400
CONOCO SD-40 (Spray-Dried)
CONOCO DD-40 (Drum-Dried)
CONOCO C-50 Slurry
Sodium Toluene Sulfonate (Liquid 40% active)
Sodium Xylene Sulfonate (Liquid 40% active)

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Agents in principal cities throughout the world.

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WHITE MINERAL OILS

Continental offers a complete line of versatile white mineral oils ranging in Saybolt viscosity from 500 to 40. They are carefully controlled in all stages of manufacturing to assure highest quality, purity and consistent uniformity. CONOCO white oils have numerous applications in industry: as carriers used in the processing of metal hydrides, as catalyst carriers and lubricants in compressors used in plastics manufacturing, as a lubricant to enhance the flow and moldability of polystyrene, as dispersants for colorants in polyethylene, to provide a high sheen in polyvinyl chloride electrical wire insulation. They are also used by the baking and paper industries as well as in lotions, creams, hair oils and pharmaceutical preparations.

TYPICAL PHYSICAL PROPERTIES

GRADE	SAYBOLT VISCOSITY @ 100°F. (37.8°C.) A.S.T.M.	SPECIFIC GRAVITY @ 60°F. (15.6°C.) A.S.T.M.	SAYBOLT COLOR A.S.T.M.	ODOR AND TASTE
U.S.P.				
RAMOL® 500	490/515	0.885/0.895	+30	None
RAMOL 350	340/355	0.880/0.890	+30	None
RAMOL 325	325/335	0.879/0.889	+30	None
RAMOL 315	315/325	0.879/0.889	+30	None
RAMOL 300	300/310	0.879/0.889	+30	None
RAMOL 270	270/280	0.876/0.886	+30	None
RAMOL 230	230/240	0.871/0.881	+30	None
RAMOL 205	200/210	0.871/0.881	+30	None
RAMOL 185	180/190	0.868/0.878	+30	None
N.F.				
RAMOL 150	145/155	0.863/0.873	+30	None
RAMOL 130	125/135	0.860/0.870	+30	None
RAMOL 100	98/104	0.852/0.862	+30	None
RAMOL 85	80/90	0.845/0.860	+30	None
RAMOL 70	70/80	0.835/0.848	+30	None
Specialty				
KREMOL® 100	98/104	0.847/0.863	+30	None
KREMOL 90	80/90	0.845/0.860	+30	None
KREMOL 70	65/75	0.837/0.852	+30	None
KREMOL 50	50/60	0.827/0.842	+30	Prac. None
KREMOL 40	40/46	0.808/0.822	+30	Slight
STARLIGHT® 27	95/110	0.852/0.868	+30	None
STARLIGHT 125	80/90	0.845/0.860	28/+30	None
STARLIGHT 120	80/90	0.845/0.860	24/27	None
PACOL®	80/90	0.845/0.860	24/27	None

PETROLATUMS

CONOCO Petrolatums range in color from the purest white to dark green. Continental's know-how and quality-control produce outstanding quality in all grades. They have found diversified uses in many fields: cosmetics, pharmaceutical ointments, veterinarian formulations, wire cable, rope and rubber manufacturing, buffing compounds, sweeping compounds, molding clays, printing inks, and paper manufacturing—to name only a few!

TYPICAL PHYSICAL PROPERTIES

GRADE	U.S.P. AND A.S.T.M. MELTING POINT °F.	SAYBOLT VISCOSITY @ 210°F.	COLOR LOVIBOND IN 2" CELL		PENETRATION @ 77°F. UNWORKED A.S.T.M.
SHEROLATUM® U.S.P.					
PURWITE	122/132	63/73	0.5Y		170/200
SNOW WHITE	122/132	65/75	2.0Y		170/200
SOFT WHITE #2	120/128	56/66	2.0Y		200/230
WHITE	122/132	65/75	5.0Y	0.1R	170/200
SOFT WHITE	120/128	59/69	5.0Y	0.1R	200/230
LILY	122/132	65/75	10.0Y	0.2R	170/200
CREAM	122/132	65/75	25.0Y	1.0R	170/200
BLOND	122/132	67/77	35.0Y	2.0R	170/200
LIGHT YELLOW	122/132	67/77	35.0Y	4.0R	170/200
SOFT LIGHT YELLOW	120/128	61/71	35.0Y	4.0R	200/230
YELLOW	122/132	67/77	35.0Y	6.0R	170/200
AMBER	122/132	67/77	35.0Y	10.0R	170/200
SHEROLATUM Technical					
RED VETERINARY	122/132	69/79	35.0Y	20/25R	170/200
DARK GREEN #2	138/148	95/110	6 Max. Dilute		155/185
DARK GREEN #46	122/132	69/79	6 Max. Dilute		170/200
SHEROWAX®					
NO. 40 WHITE	150/160	65/75	1.5Y		45/65
NO. 40 YELLOW	148/158	70/80	35.0Y	6.0R	50/70
NO. 40 AMBER	148/158	70/80	35.0Y	12.0R	50/70

SECONDARY PLASTICIZERS FOR VINYLS

CONOCO H-35 is Continental's newest secondary plasticizer for vinyl resins. Because of its economical price, its high quality and uniformity, CONOCO H-35 is truly the extender of profit for vinyl formulators. In plastisol and organosol formulations, significantly lower initial and aged viscosities can be obtained.

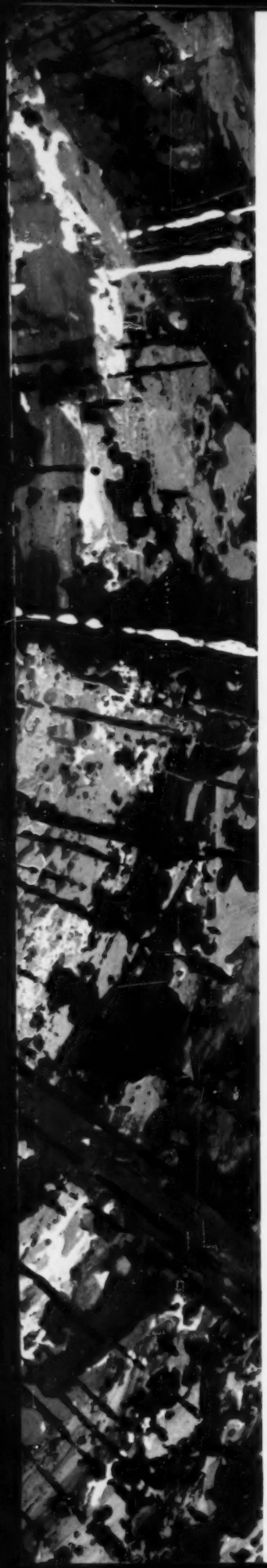
CONOCO H-35
TYPICAL PHYSICAL PROPERTIES

Color	Water White
Density at 60° F.	0.878
Molecular Weight	278
Viscosity S.U.S. at 100° F.	83
Flash Point (C.O.C.)	320° F.

Other products for the plastics industry:

CONOCO H-300 . . . . . secondary plasticizer for vinyls.

CONOCO DEMIVIS® . . . a neutral calcium sulfonate used to produce a finer and more uniform foam cell, greater efficiency in foam expansion, better moldability and wider use of primary plasticizers. It reduces the solvating action of the primary plasticizer, thus extending the gelation temperature.



BRYTON PETROLEUM SULFONATES

BRYTON Chemical Company is a major source of oil-soluble sulfonates which are produced at Trainer (Chester), Pa., and Gretna, La.

Sodium, calcium, barium, ammonium, and amine salts as well as sulfonic acids are available in bulk and drum quantities.

Sodium salts are generally offered at 62% concentration in mineral oil and are prepared at different molecular weight levels within the range of 430 to 500+. Choice for a given application is dependent on the required balance of hydrophylic versus hydrophobic characteristics. Usually, the lower the molecular weight the more hydrophylic, and the higher, the more hydrophobic. If the application is emulsification, lower- or middle-range molecular weight products are best suited. For rust preventives and oil-system dispersancy, the higher molecular weights are preferable.

Calcium and barium sulfonates are primarily hydrophobic and are offered as either neutral or alkaline. The alkaline materials are usually referred to as containing "reserve alkalinity."

BRYTON Ammonium Sulfonate 35-K is prepared as a 35% solution in kerosene, and is of interest to those seeking an ashless sulfonate.

BRYTON SHEROSOPE 76 is the only water-soluble sulfonate offered. It is 38% active diluted in isopropylanol and water.

Amine sulfonates represent another classification of ashless sulfonates and are available by special order at 50% concentration in mineral oil.

Sulfonic acids are available in two grades for those manufacturers who desire an intermediate.

We are always pleased to provide samples and data of our products which are shown below.

TYPICAL PHYSICAL PROPERTIES

PRODUCT	MOLECULAR WEIGHT	% SULFONATE	% OIL	% WATER	% INORGANIC SALT	ALKALINITY
Sodium Sulfonates						
BRYTON® SHEROSOPE® F-430	430	62	32.8	4.5	7	.04
BRYTON SHEROSOPE F-445	445	62	32.8	4.5	.7	.04
BRYTON SHEROSOPE F	465	62	32.8	4.5	.7	.04
BRYTON SHEROSOPE T	500+	62	32.8	4.5	.7	.04
BRYLITE® 460	460	62	32.8	4.5	.7	.04
BRYTON HY	460	62	32.8	4.5	.7	.04
BRYTON BOSS® 470	460	70	17.2	12.0	.8	.04
BRYTON H-70	460	70	33.0	4.0	.5	.04
BRYTON SHEROSOPE 76	375	38	3.0	32.0	2.0	.04
Barium Sulfonates						
BRYTON HYBASE®	1010	47	42.0	0.4		65 (Base No.)
BRYTON 30-N	1010	30	69.6	0.2		6 (Base No.)
Calcium Sulfonates						
BRYTON 30-A	900	30	69.0	0.2		15 (Base No.)
BRYLITE No. 1	900	45	69.7	0.2		2 (Base No.)
Sulfonic Acids						
BRYTON Sulfonic Acid 45	440	45	46	3.0		
BRYTON Sulfonic Acid 45-K	440	45	46*	3.0		
Ashless Sulfonates						
BRYTON Ammonium 35-K		35	64*	1.0	Nil	Trace
Ethylenediamine		50	50	Nil	Nil	Trace
Isopropylamine		50	50	Nil	Nil	Trace
Isopropylaminoethanol		50	50	Nil	Nil	Trace

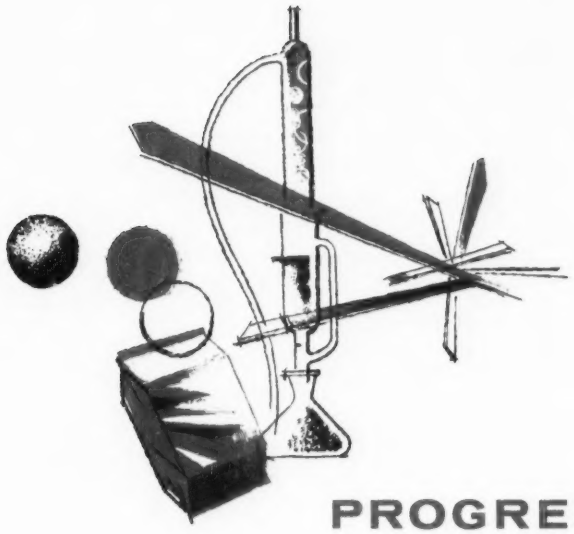
*Kerosene

BRYTON SULFONATES

Specific Sulfonates for Industry
Bryton Chemical Company, 1270 Avenue of the Americas, New York 20, N.Y.



DEPENDABLE PRODUCTS FOR
INDUSTRY AND AGRICULTURE



PROGRESS

through Chemistry for Davison means supplying dependable products to many industries:
Petroleum Cracking and Petroleum Chemical Processing Catalysts for the Oil Industry
Functional Silica Pigments for the Paint Industry
High Capacity Desiccants for the Natural Gas, Refrigeration and Packaging Industries
Polishing Powders for the Optical Industry
Acids and Salts for the Chemical Processing Industries
Quality Plant Food Products for Agriculture

Nor is Davison limited in scope to these. Davison is the only domestic source for Thorium metal in production quantity—the prime producer of 99.9%+pure and Commercial Uranium and its compounds for nuclear reactors, ceramics, etc.

You'll find it pays to consult Davison for many fields: Nuclear, Rare Earths, Agriculture, Petroleum, Industry . . . Davison leads—through Progress in Chemistry.

Products for progress t

PETROLEUM CATALYSTS

Davison balanced density catalysts save you dollars. Davison balances density against particle size distribution and catalytic stability to give you maximum activity maintenance and regeneration efficiency. For details write for Product Service Bulletins.

Cracking Catalysts
Silica-Alumina
(13% and 25% Alumina)
Semi-Synthetic Catalyst
Silica-Magnesia (experimental)

Reforming Catalysts
Powerforming Catalyst — Alumina-Platinum

Hydrodesulfurization Catalyst
Nicomo®-12 Nickel-Cobalt-Molybdenum on Alumina

Mullite Catalyst Supports
Balls and chips

High Purity Alumina
Eta and Beta forms for catalyst bases

INDUSTRIAL CATALYSTS

The same precise control of physical and chemical properties found in Davison Petroleum Catalysts exists in Industrial Catalysts for a variety of laboratory and production uses. For details write for Product Service Bulletin.

Oxidation Catalysts
Vanadia on silica gel — pelleted and fluid for the oxidation of Naphthalene to phthalic anhydride. Also vanadia on alumina for phthalic anhydride production.

Hydrogenation Catalysts
Sponge nickel for hydrogenation of fats and oils. Nickel on silica in powdered form, palladium on carbon granules or powdered carbon, molybdenum sulfide — for decolorizing and desulphurizing oils.

Alkylation Catalyst
Silica-alumina, pelleted or fluid, for alkylation of benzene.

Organic Synthesis Catalysts
Mercuric chloride for vinyl chloride monomer production. Silica gel for carbon disulphide production from natural gas and sulphur.

Polyolefin Catalyst
Chromia-Silica-Alumina

Dehydrogenation Catalyst
Chromia-Alumina

Prescription Catalysts
Davison produces catalysts tailored to individual customer specifications on an increasing variety of supports. These include prescription catalysts for hydrogenation, dehydrogenation, oxidation, polymerization and many others. For complete information on a catalyst specifically built to your specifications, consult the nearest Davison Industrial Chemicals Sales Office. (See page 8 for complete listing of offices.)

SILICO-FLUORIDES

Davison produces a variety of silicofluoride compounds for many applications. Below are a few of the uses industry now makes of them. For further information, consult your nearest Davison Sales Office.

Laundry Sour
Ammonium Silicofluoride, 98%
Zinc Silicofluoride, 98%

Mothproofing Agents
Ammonium Silicofluoride, 98%
Zinc Silicofluoride, 98%

Disinfectants
Ammonium Silicofluoride, 98%
Hydrofluosilicic Acid, 28%

Concrete Hardener
Magnesium Silicofluoride, 98%

Casting Compound
Ammonium Silicofluoride, 98%

Ceramics
Magnesium Silicofluoride, 98%

Water Fluoridation
Hydrofluosilicic Acid 22-34%

Electrolytic Lead Refining
Hydrofluosilicic Acid, 22-28%

through chemistry in

SYLOIDS®

Davison Syloids — micron-sized silicas — originally developed as flatting agents, are now used in a wide variety of industries. So varied are the applications for Davison Syloids that new ones are being developed constantly. If you can benefit from the reduction of time and money-consuming operations, write Department 101S for complete information.

Syloids as Flatting Agents

Where a matte finish without handrubbing is desirable Davison Syloids are unsurpassed for economic efficiency.

For Lacquer

Syloid 308®
Syloid 978
Syloid 244

For Baking Finishes

Syloid 161
Syloid 162
Syloid 244
Syloid 404

For General Flatting of Lacquers, Varnishes, Vinyls

Syloid 72
Syloid 244

Syloids in Other Applications

INKS—for thickening, flatting and to prevent offset—Syloids 72, 244, 308

PAPER, REPRODUCTION—as a carrier and extender—Syloid 72

ADHESIVES—as a reinforcing agent —Syloids 75, 244, 978

METALLIC PAINTS—as an anti-gassing agent—Syloid AL-1

RESINS—for filling, thickening and to prevent blocking—Syloid 244

PHARMACEUTICALS — to prevent caking — Grade 63, Grade 21 Silica Gel

CHEMICALS—to prevent caking— Grade 63, Grade 21 Silica Gel

INSULATION (THERMAL) —Syloid 244

Uses, General

As you can see, Davison Syloids are now applied to many products. There are many uses as yet undiscovered. Perhaps you, right now, are troubled by a problem product — one whose processing is overly time and money consuming; one which may well benefit from a prescription Syloid. Now is the time to write. Give us the details. Let us develop or compound a Syloid to your requirements. Just write Dept. 101S for complete engineering assistance.

SELECTIVE ADSORBENTS

Davison prepares a wide variety of adsorbents specifically compounded to provide highest efficiency in prescription-type separations. For instance,

Chromatography and Gas Chromatography — high surface area and low surface area silica gel — 20-65 mesh, 28-200 mesh, 60-200 mesh and Silica Alumina — through 200 mesh.

Hydrocarbon Recovery from natural gas — on-8 mesh silica gel.

Chlorine Recovery — 6-12 mesh silica gel.

Acetylene and Hydrocarbon Removal — on-8 mesh silica gel.

Fluorine — activated silica gel and silica hydrogel.

Carbon Dioxide Removal—on-8 mesh silica gel, high or low surface area.

Tar and Nicotine Removal from Cigarette Smoke (used in filters) 6-12 mesh (grade 80) silica gel.

Sulphur Compound, Removal — silica gel, various meshes.

Ammonia, Adsorption of—(gas masks) — 8-14 mesh silica gel.

Aromatics and Paraffins, Separation of — high and low surface area silica gel and silica-alumina gel.

Nitrogen Compounds, Adsorption of —6-12 mesh silica gel and other mesh sizes.

INSECTICIDES

One of the most amazing developments now on the market is Davison's line of insecticides tradenamed Dri-Die®. These are finely divided silica aerogels surface treated through a unique manufacturing process with fluosilicate salts to obtain specific insecticidal action on certain types of pests. Write Dept. 101I for full details on these insecticides and their use on either a formulated or as-is basis.





industry–agriculture–

Davison Dri-Die 67

Especially compounded for complete kill and control of roaches (all varieties), drywood termites, fleas and other insects. Available from leading chemical distributors.

Davison Dri-Die 91

Developed as the answer to florists' insect problems. Extremely effective against rose mites and other leaf destroyers.

Davison Dri-Die 40

Compounded especially for the kill and control of fleas. Of special value to veterinarians and kennel operators.

DESICCANTS

Davison Silica Gel Desiccants are used for dehydration of substances from gases to organic liquids and are also applicable wherever rust, corrosion, or other moisture problems exist. For instance, Davison Desiccants are now used to protect tropical shipments, to clean and dehydrate air and natural gas, refrigeration systems, blast furnace gases and in oxygen plants. If you have a moisture problem, write Dept. 101D for full details.

Dehydrated Packaging

Davison Protek-Sorb® 121 and Protek-Sorb 88 which are supplied as small packets as well as various bag sizes to meet Military Specification MIL-D-3464—are ideal for Military Method II packaging.

Davison Dri-Pax® is supplied in very small flexible packages for the protection of pharmaceuticals, chemicals, hard candy, optics, seeds, potato chips, etc.

Air Dryers

Davison Air-Dryers are unsurpassed for military, industrial or home use.

Aluminum with mica window — charged with approximately 40 grams Tel-Tale® indicating silica gel. Can be reactivated and reused.

Transparent plastic capsules — (round and tubular) filled with Tel-Tale indicating gel.

Humidity Indicators

Tel-Tale Indicating Gel — changes from blue to pink at 10% through 60% relative humidity — 6-16 mesh.

Humidity Indicator Cards (AN-751 and AN-7513) with transparent wi dow. (Contain Tel-Tale Indicati Gel.) Spot Humidity Indicator Car (Drawing No. MS-20003) — as r quired for military dehydrated pac aging.

IG-327 Indicating Gel — changes fro green to yellow at 0 to 4% relati humidity.

Industrial Air—Gas Dehydratio

Grade 03 on 8 mesh silica gel f natural gas dehydration, hydrocarb recovery, wind tunnel air dryers, i strument dehydration, organic liqu hydrocarbon dehydration, etc. Gra 59, on 8 mesh buffer grade silica gel f use in dehydration where liquid wat may be encountered.

Grade 40, 6-12 mesh silica gel f compressed air, gas and organic liqu dehydration.

Grade 11, 28-200 mesh silica gel f dehydration of telephone cable splic PA 400®, 8-20 mesh silica gel f dehydration of refrigerants and organ liquids; also used for dehydration air space between double pane windo

Microtraps—several physical forms sodium and calcium alumino-silicat offer unique desiccant and selecti separation properties. These co pounds can produce extreme dryne in both liquids and gases and in ad tion, they possess the unique ability separate complex mixtures on the ba of molecular size or configuration.

ANTIOXIDANT

Dav-Ad 101

(2, 6-di-tertiary-butyl-4-methyl phenol)

Dav-Ad 102

(33⅓% 2, 6-di-tertiary-butyl-4-meth phenol in toluene)

Dav-Ad 212

(Butylated Hydroxy Toluene)

Antioxidant 700

(2, 4-di-methyl-6 tertiary butyl phen

– refining – nuclear energy

AGRICULTURAL CHEMICALS

Phosphates and Inorganic Acids
Phosphoric Acid • Dry and liquid fertilizers • Direct application

Sulphuric Acid 60° Be´
Superphosphates • Ammonium Sulfates • Alum

Sulphuric Acid 66° Be´
Rubber • Synthetic Yarns • Leather • Metal Pickling • Petroleum Products • Uranium Recovery • Copper Sulphate Granulation

Sulphuric Acid 98%
Pigments • Rayon • Aviation Gasoline • Drying

Oleum 20%
Pigments • Dyes • Insecticides • Synthetic Detergents • Drying • Explosives

Oleum 25%
Explosives

HI-FLO® Gran-U-Lated Triple Superphosphate Guaranteed Minimum 46% Available P_2O_5
Direct application — aerial spreading — dry mixing

HI-FLO Run-O-Pile Triple Superphosphate 46/47% Available P_2O_5
Mixed Fertilizers — Ammoniators and Dry Mixers

HI-FLO Blend-Phos Triple Superphosphate 45/46% Available P_2O_5
For dry mixing only

Granulated Normal Superphosphate Guaranteed Minimum 20% Available P_2O_5
Direct application — dry mixing

Run-of-Pile Normal Superphosphate 20% Available P_2O_5
Mixed fertilizers — ammoniation and dry mixing

Phosphate Rock
Acidulation grade 68% to 77% BPL — Superphosphate and wet process Phosphoric Acid

Dry screened grade 68% to 72% BPL — Electric Furnace Phosphorus Rock phosphate for direct application — 30%, 31%, 32%, 33% P_2O_5 — Ground 50% or 70% through 200 mesh screen

URANIUM AND THORIUM

Nuclear Grade Metal and Compounds
Metals and oxides with any U_{235} content desired.
UO_2, U_3O_8, ThO_2 and UO_2 ThO_2

Alloy Grade Metals and Compounds
Thorium metal pellets
20% and 40% Thorium-Magnesium Hardener
Thorium oxide and nitrate.
Commercial grade uranium metal for shielding, counterweights and alloying.
Write or call Davison, Erwin, Tenn.

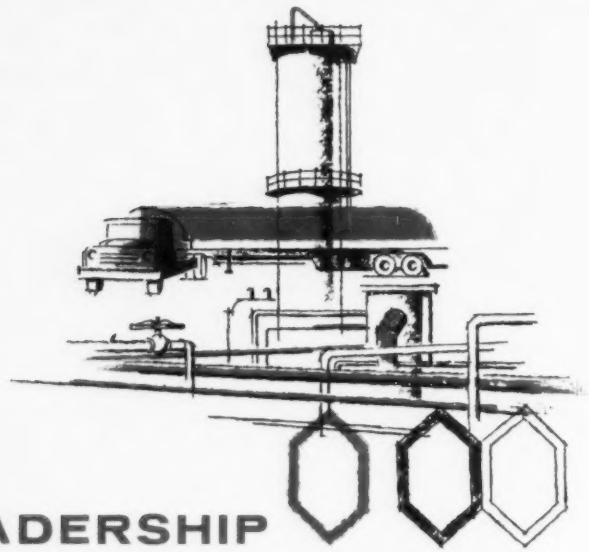
RARE EARTHS

Mixed Rare Earth Compounds
Rare Earth Fluoride — alloy steels • carbon arc electrodes
Rare Earth Oxide—ceramic specialty • carbon arc rods • steel metallurgy
Rare Earth Hydrate—glass compounding
Rare Earth Chloride—Misch metal

Separated Industrial Rare Earths
Cerium Hydrate—specialty glass additive
Ceric Sulfate — paint driers • Lanthanum Oxide • high refractive glasses

Purified Rare Earth Oxides
Available in purities exceeding 99.8% as the oxides of the separated heavy rare earth elements are: yttrium, neodymium, samarium, praseodymium, gadolinium, erbium, dysprosium, ytterbium, holmium, terbium, eruopium, thulium and lutetium.

Glass Polishing Compound
RAREOX® Optical Quality Cerium Oxide—high speed polishing
X-OX®—precision polishing



LEADERSHIP

in Petroleum Chemistry has been Davison's since their introduction of the first commercial synthetic fluid petroleum cracking catalysts.

Today, with four major catalyst plants (Baltimore, Md., Lake Charles, La., Cincinnati, Ohio, and Valleyfield, Quebec) Davison production exceeds the total of the remainder of the industry.

As the world's largest producer and with the world's largest laboratory facilities devoted exclusively to the development of catalysts, Davison is in the unique position of being able to assist you with any catalyst problem you may have. It may be that a catalyst now in production will solve your problem; perhaps, a prescription catalyst is in order.

Whatever your catalytic problem you may depend on Davison to supply you with the finest, most efficient and most economic solution.

SALES OFFICES

BALTIMORE, MARYLAND
101 North Charles Street

CHICAGO, ILLINOIS
19 South LaSalle Street

CLEVELAND, OHIO
8925 Lake Avenue

ERWIN, TENNESSEE
P. O. Box 218

HOUSTON, TEXAS
4101 San Jacinto

NEW YORK, NEW YORK
420 Lexington Avenue

POMPTON PLAINS, N. J.
P. O. Box 488

SAN FRANCISCO, CALIFORNIA
2 Pine Street

TULSA, OKLAHOMA
606 Mayo Building

In Canada:

DAVISON CHEMICAL CO., LTD.
Toronto, 145 Younge Street

CALGARY, ALBERTA
1609 14th Street, S. W.



PLANTS

CURTIS BAY, MARYLAND
CINCINNATI, OHIO
ERWIN, TENNESSEE
GALLUP, NEW MEXICO
LAKE CHARLES, LOUISIANA
POMPTON PLAINS, N. J.
RIDGEWOOD, FLORIDA

In Canada:

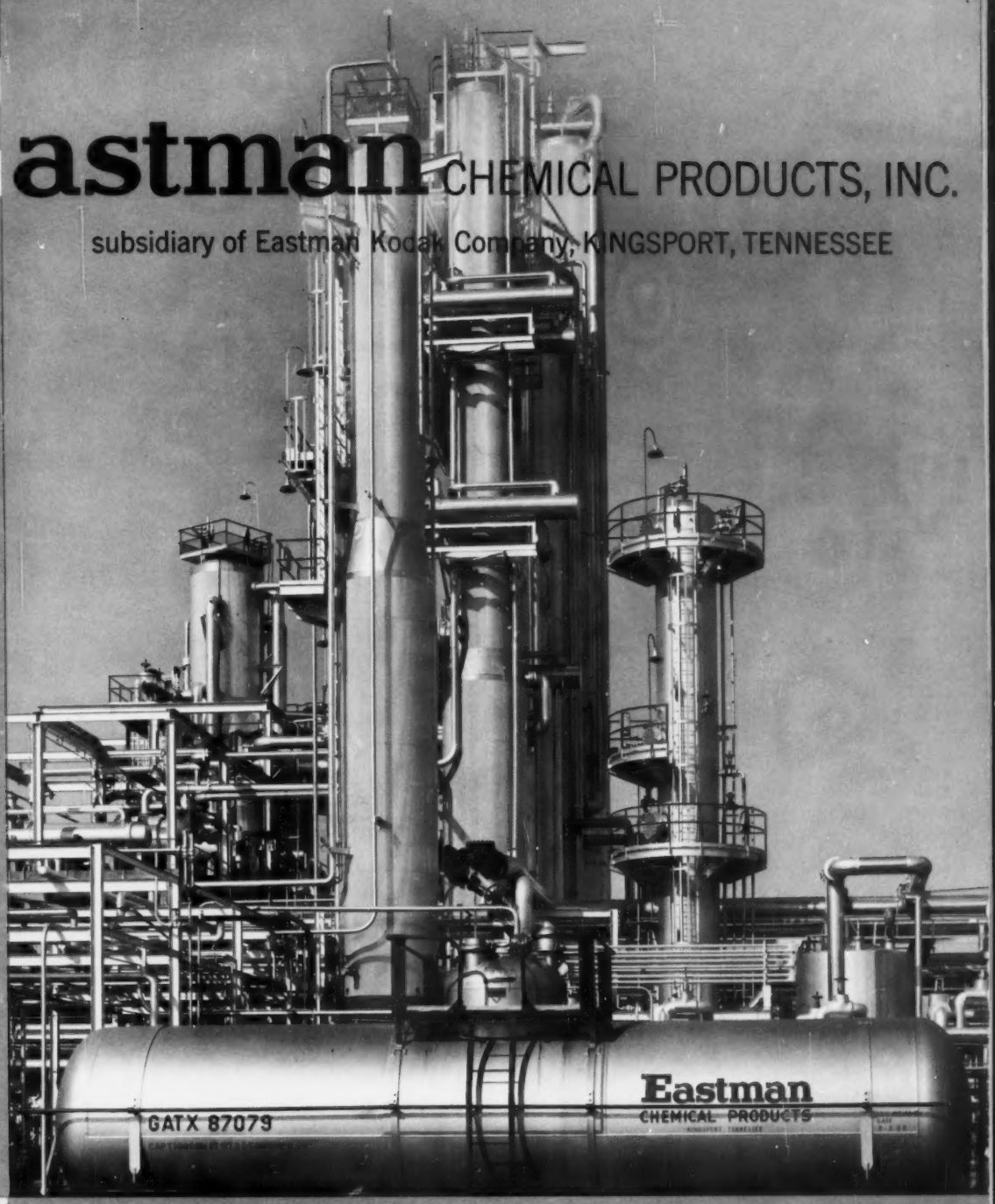
VALLEYFIELD, TORONTO

Domestic or Export Prices
on Application

W.R. GRACE & CO.
DAVISON CHEMICAL DIVISION
BALTIMORE 3, MARYLAND

Eastman CHEMICAL PRODUCTS, INC.

subsidiary of Eastman Kodak Company, KINGSPORT, TENNESSEE







WAREHOUSING AND SHIPPING: Fast, efficient delivery schedules are maintained to points in the South, East and Middle West from warehouses in Kingsport, Tennessee; Longview, Texas; and Lodi, New Jersey. On the West Coast, a selected list of Eastman chemical products are warehoused by Wilson Meyer Co. You can depend on Eastman service whether tank-car, tank-truck, carload or drum quantities are ordered.

TECHNICAL ADVICE AND ASSISTANCE: Eastman service includes fully equipped laboratories staffed with experienced and qualified personnel. They are maintained for the express purpose of working with you on the use of Eastman products. Details of this service are available from your nearby sales representative. Whether the work is done in our laboratories or in your plant, you will find the Eastman technical staff ready to cooperate at all times.

SALES OFFICES: Eastman Chemical Products, Inc.
•Kingsport, Tennessee; •Atlanta 5, Georgia, 3133 Maple Drive, N. E.; •Chicago, 4200 Dempster Street (Skokie, Illinois); •Cincinnati 2, Ohio, 1626 Carew Tower; •Cleveland 20, Ohio, 13212 Shaker Square; •Detroit 35, Michigan, 17325 Northland Park Court; •Framingham, Massachusetts, 65 Concord Street; •Greensboro, North Carolina, 435 Jefferson Standard Building; •Houston 25, Texas, 1100 Holcombe Boulevard; •New York 16, New York, 260 Madison Avenue; •St. Louis 5, Missouri, 10 South Brentwood Boulevard.

SALES REPRESENTATIVES: West Coast—Wilson Meyer Co.
•Los Angeles 22, California, 2060 South Garfield Avenue; •Portland 1, Oregon, 1430 S. W. Clay Street; •Salt Lake City, Utah, 73 South Main Street; •San Francisco 4, California, 333 Montgomery Street; •Seattle 9, Washington, 318 Queen Anne Avenue.

EASTMAN CHEMICAL PRODUCTS

ACIDS AND ANHYDRIDES

Whether you buy by the tank car or drum, you can depend on the uniformly high quality of Eastman acids and anhydrides. Several properties of these products are listed below.

	Boiling Range, °C.	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, %	Containers
ACETIC ACID CH_3COOH	116.5 - 118.5	5	1.048 - 1.053	99.85	8,000-gal. tank cars; tank trucks
ACETIC ANHYDRIDE $(CH_3CO)_2O$	138.5 - 140.0	5	1.080 - 1.085	97.5	55-gal. N. R. drums; 8,000-gal. tank cars; tank trucks
PROPIONIC ACID C_2H_5COOH	141.1	5	0.988	99.5	55-gal. returnable drums; 8,000-gal. tank cars
PROPIONIC ANHYDRIDE $(C_2H_5CO)_2O$	164.9 - 170.1	13	1.0135	99	
n-BUTYRIC ACID C_3H_7COOH	159.8 - 163.6	5	0.957 - 0.961	99.5	
n-BUTYRIC ANHYDRIDE $(C_3H_7CO)_2O$	194.2 - 202.5	50	0.967 - 0.972	98	55-gal. N. R. drums; 8,000-gal. tank cars; tank trucks
ISOBUTYRIC ACID $(CH_3)_2CHCOOH$	152 - 154	10	0.946 - 0.951	99	
ISOBUTYRIC ANHYDRIDE $[(CH_3)_2CHCO]_2O$	179.7 - 186.7	5	0.951 - 0.956	98	
2-ETHYLHEXOIC ACID $C_4H_9CH(C_2H_5)COOH$	223 - 233	25	0.905 - 0.909	98	
CROTONIC ACID $CH_3CHCHCOOH$	181 - 218	25	0.963 (80°/4°)	97.0	200-lb. fiber drums

ALCOHOLS

For alcohols, check first with Eastman, a primary producer. Manufacturing and shipping facilities teamed with a network of distributors are geared to meet your receiving schedules quickly and efficiently.

		Lb./gal.	Refractive Index, n 20/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Acidity, as acetic acid, max. %	Flash Point, °F.	Boiling Range, °C.
ETHYL ALCOHOL C_2H_5OH	(200 proof)	6.60	1.3663	5	0.7940 @ 15.6°/15.6°C.	0.0015	62	
	(190 proof)	6.80	1.3651	5	0.8160 @ 15.6°/15.6°C.	0.002	68	77 - 79
n-BUTYL ALCOHOL C_4H_9OH		6.75	1.3993	5	0.810 - 0.815	0.005	111	115 - 118.5
ISOBUTYL ALCOHOL $(CH_3)_2CHCH_2OH$		6.68	1.3977	5	0.8021 - 0.8044	0.005	102	106 - 109
2-ETHYLHEXANOL $C_4H_9CH(C_2H_5)CH_2OH$		6.93	1.4392 (n 25/D)	5	0.8325 - 0.8340	0.01	171	181 - 185

CONTAINERS: Ethyl and n-Butyl Alcohols are available in 4, 6, 8, and 10,000-gal. tank cars. Isobutyl Alcohol and 2-Ethylhexanol are available in 55-gal. N. R. drums; 6, 8, 10,000-gal. tank cars; compartment tank cars, and tank trucks.

PLASTICIZERS

For highest quality finished products, rely on Eastman plasticizers, manufactured under rigid specifications. Write for a copy of "Eastman Plasticizers" or call the sales office nearest you.

	Refractive Index, n 25/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, % min.	Acidity, % max.	Flash Point, °F.	Boiling Point, °C.
DIMETHYL PHTHALATE $C_6H_4(COOCH_3)_2$	1.5130	10	1.192	99	0.01 as phthalic	315	283
DIETHYL PHTHALATE $C_6H_4(COOC_2H_5)_2$	1.4990	10	1.120	99	0.01 as phthalic	325	298.5
DIBUTYL PHTHALATE $C_6H_4(COOC_4H_9)_2$	1.4925	10	1.048	99	0.01 as phthalic	365	340
DIISOBUTYL PHTHALATE $C_6H_4(COOCH_2CH[CH_3]_2)_2$	1.4900	10	1.040	99	0.01 as phthalic	345	327
DI-(2-METHOXYETHYL) PHTHALATE $C_6H_4(COOCH_2CH_2OCH_3)_2$	1.5020	25	1.172	99	0.03 as phthalic	385	340
DI-(2-ETHYLHEXYL) PHTHALATE (DOP) $C_6H_4(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4836	25	0.985	99	0.01 as phthalic	410	384
PLASTICIZER 84 (an octyl butyl phthalate)	1.4837	25	1.008	98	0.01 as phthalic	370	340
DI-(2-ETHYLHEXYL) ADIPATE $(CH_2)_4(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4472	20	0.927	99	0.01 as adipic	405	417
DI-(2-ETHYLHEXYL) AZELATE $(CH_2)_7(COOCH_2CH[C_2H_5]C_4H_9)_2$	1.4471	75	0.919	99	0.03 as azelaic	430	376
DIBUTYL SEBACATE $(CH_2)_8(COOC_4H_9)_2$	1.4390	50	0.939	99	0.02 as sebacic	370	349
TRIACETIN $C_3H_5(COOCH_3)_3$	1.4296	10	1.159	99	0.005 as acetic	290	258
POLYMERIC PLASTICIZER NP-10 (mol. wt. — 1100 to 1400)	1.4656	75	1.060	—	—	535	—

CONTAINERS: Eastman plasticizers, with the exception of NP-10, are available in 55-gal. N. R. drums; 4, 6, 8, 10,000-gal. tank cars; compartment tank cars, and tank trucks. Polymeric Plasticizer NP-10 is available in 55-gal. N. R. drums and tank-truck quantities.

ALDEHYDES

Eastman's high-grade aldehydes find use as denaturants, chemical intermediates, specialty solvents, and chemical and pharmaceutical raw materials.

	Refractive Index, n 20/D	Color, APHA, max.	Sp. Gr., 20°/20°C.	Acidity, %	Assay, %	Flash Point, °F.	Boiling Point, °C.
ACETALDEHYDE CH_3CHO	1.3332	10	0.780 - 0.790 @ 15.6°/15.6°C.	0.1 as acetic	99.5	−58	20.8
n-BUTYRALDEHYDE C_3H_7CHO	1.3798	10	0.803 - 0.809	0.35 as butyric	97	15	70 - 78
ISOBUTYRALDEHYDE (C. P.) $(CH_3)_2CHCHO$	1.3730	10	0.786 - 0.790	0.35 as isobutyric	98	−11	62 - 67

CONTAINERS: Acetaldehyde is available in 8,000-gal. insulated tank cars; n-Butyraldehyde and Isobutyraldehyde in 55-gal. N. R. drums, and 6, 8, 10,000-gal. tank cars.

AROMATIC INTERMEDIATES

Eastman offers a wide variety of aromatic intermediates. These materials have found use as chemical intermediates in the preparation of antioxidants, dyes, and drugs.

	Melting or Setting Point, °C.	Solubility (25°C. in g./100 g. solvent)					Containers
		Water	Acetone	Ethanol	Ethyl Acetate	Benzene	
TECQUINOL® (technical hydroquinone) $C_6H_4(OH)_2$	169 min.	6	20.5	57.0	22.7	Ins.	100- and 325-lb. (net) fiber drums
TOLUHYDROQUINONE $C_6H_3(OH)_2CH_3$	126 min.	7.2	107.0	82.0	47.7	Ins.	N. R. fiber drums
MONO-TERT-BUTYLHYDROQUINONE $C_6H_3(OH)_2C(CH_3)_3$	125 min.	Ins.	112.0	60.5	57.5	Ins.	75-lb. (net) N. R. fiber drums
2,5-DI-TERT-BUTYLHYDROQUINONE $C_6H_2(OH)_2(C[CH_3]_3)_2$	210 min.	Ins.	39.0	35.1	48.8	1.5	75- and 150-lb. (net) fiber drums
p-METHOXYPHENOL (Hydroquinone Monomethyl Ether) $C_6H_4OHCH_3O$	54 - 56	4.1	426.0	456.0	245.0	69.5	100-lb. (net) fiber drums
2,5-DIMETHOXYANILINE $C_6H_3(OCH_3)_2NH_2$	79 min.	Ins.	66.8	8.7	27.0	16.0	225-lb. (net) lined fiber drums
2,5-DIETHOXYANILINE $C_6H_3(OC_2H_5)_2NH_2$	82.5 min.	Ins.	76.8	9.9	40.9	36.8	225-lb. (net) lined fiber drums
2,5-DIBUTOXYANILINE $C_6H_3(OC_4H_9)_2NH_2$	18	Ins.	>500	>500	>500	>500	250-lb. (net) N. R. drums
PHENYLETHYLETHANOLAMINE $C_6H_5N(C_2H_5)(C_2H_4OH)$	32 min.	Ins.	>500	>500	>500	>500	500-lb. (net) N. R. drums
PHENYLDIETHANOLAMINE $C_6H_5N(C_2H_4OH)_2$	50 min.	3.0	179.0	173.7	56.7	11.5	500-lb. (net) N. R. drums
m-TOLYLDIETHANOLAMINE $C_6H_4(CH_3)N(C_2H_4OH)_2$	62 min.	0.8	102.0	121.7	31.8	8.0	500-lb. (net) N. R. drums
o-TOLYLPROPANOLAMINE $C_6H_4(CH_3)NH(CH_2CHOHCH_3)$	—	1.0	misc.	misc.	misc.	misc.	500-lb. (net) N. R. drums
p-BENZOQUINONE $C_6H_4O_2$	112 min.	1.2	35.8	6.4	18.0	18.4	50-lb. (net) fiber drums
TOLUQUINONE $C_6H_3O_2CH_3$	—	<0.5	60.0	10.0	30.0	60.0	50-lb. (net) N. R. fiber drums
2,5-DI-TERT-BUTYLQUINONE $C_6H_2(C_4H_9)_2O_2$	149 - 151	Ins.	8.0	1.5	8.5	18.0	Fiber drums
ACETANILIDE $C_6H_5NH(COCH_3)$	113 min.	0.4	36.8	34.7	10.9	0.9	50-lb. paper bags
BETA-OXYNAPHTHOIC ACID $C_{10}H_6OHCOOH$	218 min.	Ins.	15.3	9.4	6.8	Ins.	250-lb. (net) fiber drums

SOLVENTS

Most Eastman solvents are stored in bulk in the major industrial centers of the United States. Write for information or call your Eastman representative.

	Lb./gal., 20°C.	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, % min.	Acidity, as acetic acid, %	Flash Point, °F.	Boiling Point, °C.
ACETONE CH_3COCH_3	6.61	5	0.791 - 0.794	99.5	0.002	−1	55.5 - 56.5
ETHYL ACETATE (98%) $CH_3COOC_2H_5$ (85%)	7.47	5	0.899 - 0.902	98	0.01	26	75.5 - 78
	7.34	5	0.884 - 0.886	85	0.01	30	72 - 78
ISOPROPYL ACETATE $CH_3COOCH(CH_3)_2$	7.24	5	0.868 - 0.872	95	0.01	40	85 - 90
n-BUTYL ACETATE $CH_3COOC_4H_9$	7.33	5	0.874 - 0.880	90	0.01	90	118 - 128
ISOBUTYL ACETATE $CH_3COOCH_2CH(CH_3)_2$	7.21	5	0.864 - 0.871	90	0.01	87	110 - 119
TECSOL® (anhyd.) C_2H_5OH	6.62	10	0.794 - 0.797 @ 15.6°/15.6°C.	199 min. proof @ 15.6°C.	0.02	51	74 - 80
(95%)	6.78	10	0.813 - 0.816 @ 15.6°/15.6°C.	189 min. proof @ 15.6°C.	0.02	54	74 - 80

CONTAINERS: Eastman solvents are available in 55-gal. N. R. drums; 4, 6, 8, 10,000-gal. tank cars; compartment tank cars; and tank trucks. (Exception: TECSOL is not available in compartment tank cars.)

MISCELLANEOUS

	Color, APHA, max.	Sp. Gr., 20°/20°C.	Assay, %	Boiling Point, °C.	Containers
NEOPENTYL GLYCOL $HOCH_2C(CH_3)_2CH_2OH$	White	Crystalline solid m.p.—120° - 130°C.	—	—	N. R. fiber drums
ISOBUTYRONITRILE $(CH_3)_2CHCN$	20	0.7700 - 0.7740	—	100.5 - 105.5	350-lb. (net) N. R. drums
TRIETHYL PHOSPHATE $(C_2H_5O)_3PO$	10	1.067 - 1.072	95	97% between 209 - 218	450-lb. (net) N. R. drums; 4, 6, 8, 10,000-gal. tank cars; tank trucks.
IRON OXIDE Fe_2O_3	Low-cost by-product containing 1 - 3% siliceous impurities. Used in pigments, oil and gas desulfurizing processes, and drilling muds.				

CELLULOSE PRODUCTS

Cellulose acetate is an acetic acid ester of cellulose which finds use in plastics and protective coating applications. It is produced in a number of different types which vary in acetyl content and viscosity.

Cellulose acetate butyrate is made by esterifying purified cellulose with a mixture of acetic and butyric anhydrides. This material is a chemically uniform product that can be more easily modified for lacquers and hot melts than cellulose acetate. The effect of the butyryl content on specific properties is illustrated in the accompanying chart.

Oxidized cellulose is made by treating cellulose with oxides of nitrogen. This treatment converts it into an absorbable hemostat, permitting its use as a surgical gauze which is absorbed by body liquids.

As an adsorbent of cations from aqueous solutions, oxidized cellulose has also proved to be very effective in the isolation and purification of ACTH from crude pituitary extracts.

CELLULOSE ACETATE[1] & CELLULOSE ACETATE BUTYRATE[2]

Type	Cellulose Acetate	EAB-171	EAB-272	EAB-381	EAB-500
% Butyryl Content (approx.)	0	17	27	38	50
Tolerance for Diluent			INCREASING		
Compatibility			INCREASING		
Flexibility			INCREASING		
Moisture Resistance			INCREASING		
Grease Resistance			DECREASING		
Tensile Strength			DECREASING		
Hardness			DECREASING		
Melting Point			DECREASING		
Containers (Paper bags)	50 lb.	50, 70, 100 lb.	50, 100 lb.	50 lb.	50 lb.
General Usage	Coatings for paper, flash bulbs, wire screens, cable lacquers	Airplane dopes, cable lacquers	Cable lacquers, melts	Paper, plastic, metal, and wood lacquers, melt coatings, heat-sealing adhesives	Strip and melt coatings

1. Eastman cellulose acetate is available in a number of types of varying acetyl contents and viscosities.

2. Each Eastman cellulose acetate butyrate type is available in 2 or more viscosity ranges.

FOOD ADDITIVES

TENOX® Food-Grade Antioxidants — A complete line of Eastman antioxidants for stabilizing foods against oxidative deterioration is sold under the trade name "TENOX". These are usually sold as proprietary preparations containing one or more of the following materials: butylated hydroxyanisole, butylated hydroxytoluene, propyl gallate, citric acid, and various solvents. TENOX food-grade antioxidants find use in edible and inedible fats, vegetable oils, vitamins, cereals, paraffin, nuts, food-packaging materials, and essential oils.

Realizing that many food processors do not have the necessary equipment to conduct laboratory evaluations of antioxidants and their effectiveness, Eastman maintains fully equipped Food Laboratories in Kingsport, Tennessee, to assist in the selection, application, and evaluation of the TENOX food-grade antioxidants. If the existing formulations are not suitable for your needs, the personnel of these laboratories will be glad to work with you in determining the antioxidant formulation which will solve your oxidation problems.

The solid forms of TENOX are available in 100-, 25-, 5-, and 1-pound fiber drums. The liquid forms are available in 1-gallon and 1-pound glass bottles and 30- and 15-gallon steel drums.

Eastman Mold and Rope Inhibitors — Calcium propionate and sodium propionate produced in food-grade quality by Eastman are effective mold and rope inhibitors in bakery products — calcium propionate for white and dark breads; sodium propionate for breads, cakes, pies, and specialty items. These inhibitors are shipped in 150-lb. net, polyethylene-lined, fiber drums.

PETROLEUM ADDITIVES

TENAMENE® Petroleum Additives — Tenamene is Eastman's trade name for a line of antioxidants and metal deactivators. Tenamene 1, a solution of N-butylated p-aminophenol in isopropanol, is an efficient, low-cost gum inhibitor for motor fuels. Tenamene 2, N,N'-di-sec-butyl-p-phenylenediamine, is a combined sweetening agent and gum inhibitor for motor fuels and aviation gasoline. Tenamene 3, 2,6-di-tert-butyl-p-cresol, is a useful antioxidant for motor and aviation gasolines as well as transformer, turbine, and lube oils and waxes. Other uses of Tenamene 3 are in synthetic latices, prevention of darkening in rosin acids and ester gums, in oxidized polyethylene waxes, as an anti-skinning agent in certain types of surface coating vehicles, and in the stabilization of isobutylene and diolefin copolymers. This antioxidant is available in flake form or as a 33⅓% solution in toluene.

Tenamene 30 and 31 are dioctyl derivatives of p-phenylenediamine. Like Tenamene 2, they are effective as both sweetening agents and antioxidants in gasoline and related products. Their lower toxicity is of interest to a number of refining companies.

Tenamene 60 and Tenamene MD-50 are powerful copper deactivators for use in automotive and jet fuels and kerosene or No. 2 fuel oil.

Tenamene 1, 2, 3 Solution, 60 and MD-50 are available in tank-car and tank-truck quantities or drums. Tenamene 3 Flake is shipped in 100-lb. fiber drums. Tenamene 30 and 31 are shipped in 55-gallon drums and 5-gallon cans.

EPOLENE®

Low-Molecular-Weight Polyethylene

The EPOLENE polyethylenes are low-molecular-weight resins, pure white in color and low in odor. While possessing many of the physical properties of higher molecular weight polyethylenes, they exhibit lower melting points and lower melt viscosities, thus adapting them to applications not practicable with plastic-grade resins. A wide range of compatibility with other resins, waxes, and elastomers extends their usefulness. Available in four types, the EPOLENE polyethylenes are marketed in rice-sized pellet form packaged in convenient 50-pound paper bags.

EPOLENE E — An emulsifiable grade specifically designed for the preparation of emulsions for use in a variety of applications including floor waxes, paper coatings, and textile finishes. Readily emulsified by standard procedures for emulsifiable polyethylenes, EPOLENE E produces floor polishes that exhibit high gloss, hardness, durability, and good resistance to scuff and dirt pickup. Emulsions of high solids content can be prepared which contain approximately 40% EPOLENE E. These polishes show very good shelf-life even under extreme conditions.

EPOLENE N — Nonemulsifiable grade suitable for direct blending with natural and synthetic waxes and resins to improve their tensile and electrical properties, to impart greater resistance to abrasion, and to increase melting and blocking temperatures. It reduces the tendency of paraffin coatings to crack and flake at low temperatures. The coverage of paper coatings is increased through reduction of wax absorption by the paper. EPOLENE N also finds use as a modifier or replacement for the lower-melting, softer waxes used in the manufacture of such items as candles, crayons, solvent paste polishes, and electrical coils and condensers.

EPOLENE LV — Similar to EPOLENE N, EPOLENE LV is a nonemulsifiable polyethylene wax but of lower molecular weight and viscosity. EPOLENE LV has a wide range of possible applications, most of which are identical to those of EPOLENE N. One of the major uses of EPOLENE LV is expected to be in injection molding. EPOLENE LV has a lower melt viscosity than EPOLENE N; consequently, it may be used with high-molecular-weight polyethylene in injection molding to give a somewhat shorter cycle than is possible with EPOLENE N.

EPOLENE C — Nonemulsifiable polyethylene of higher molecular weight than EPOLENE N. EPOLENE C is designed specifically for the preparation of polyethylene-coated papers and packaging materials. A low melt viscosity at relatively low temperatures permits it to be handled like a moderate-to-high melting point wax for direct application to most types of paper including Kraft, chipboard, glassine, and parchment stocks. It is also adaptable to slush- and rotational-molding or casting operations. Wax blends modified with small amounts of EPOLENE C exhibit higher melting points and produce coatings with improved toughness and higher gloss.

PHYSICAL PROPERTIES

Property	Type N	E*	C	LV
Ring and Ball Softening Point, °C.	106	105	101	103-4
Color, Gardner Scale, max.	2	2	2	2
Viscosity @ 212°F. (2% blend in 130°F. paraffin), cp.	4.4	4.1	4.9	4.0
Cloud Point (2% blend in 130°F. paraffin), °F.	181	180	164	172

*Emulsifiable

AGRICULTURAL CHEMICALS

TENOX® BHT - Agricultural Grade — A form of butylated hydroxytoluene especially prepared for feed use — free-flowing, nondusting, in a particle size comparable to that of other feed components. It is an effective stabilizer for fish meals and scrap and an efficient antioxidant for poultry and animal feeds. In addition to protection of the vitamin content of feeds, it improves pigmentation and protects chicks against certain deficiency diseases. Eastman's line of feed-grade antioxidants also includes 25% TENOX BHT Premix composed of one part BHT and three parts of a nutritive cereal carrier.

TENOX BHT—Agricultural Grade is available in 50- and 100-pound fiber drums. The 25% TENOX BHT Premix is available in 50-pound paper bags.

TECMANGAM®—(75-78% manganese sulfate). A completely soluble source of readily available manganese for fertilizers, nutritional sprays, and animal feeds.

SAIB

(Sucrose Acetate Isobutyrate)

Specific gravity, 25°/25°C.	1.146
Boiling point, °F.	>550
Form	liquid
Color, APHA	250
Molecular weight	847

SAIB is a clear, colorless material with outstanding stability to heat aging, ultraviolet light, and hydrolysis. It is available either as a semi-solid having a viscosity of approximately 100,000 cp. at room temperature or as a 90% solution in ethyl alcohol with a room temperature viscosity of 750 cp.

The excellent permanence, compatibility, and solubility of SAIB make it particularly useful in lacquer and hot-melt coating applications. A low solution viscosity permits high modification of protective coating formulations at application consistencies, often without a reduction of film hardness. Tough, flexible melt coatings can be made containing up to 70% SAIB. They have good adhesion to paper and are not tacky. One of their outstanding features is a complete absence of fuming at melt temperatures.

EASTMAN DYES

Eastman dyes are dispersed colors for application to acetate, polyester, and nylon fibers. For many years Eastman has supplied the trade with the widest range of dyes having outstanding fastness properties for acetate. Now a complete range of excellent colors for polyester fibers is incorporated in Eastman's line of dyes:

Eastman Polyester Yellow W
Eastman Polyester Yellow RL
Eastman Polyester Yellow 2R
Eastman Polyester Yellow 5R
Eastman Polyester Brill. Orange 2RL
Eastman Polyester Orange 3RLN
Eastman Polyester Dark Red FL
Eastman Polyester Red 2G
Eastman Polyester Red B
Eastman Polyester Pink RL
Eastman Polyester Pink LB
Eastman Polyester Red 3BL
Eastman Polyester Blue GB
Eastman Polyester Blue GLF
Eastman Polyester Blue GR
Eastman Polyester Blue BLF
Eastman Polyester Blue 3RL
Eastman Polyester Violet R
Eastman Polyester Navy G
Eastman Polyester Diazo Black
Eastman Polyester Diazo Black RK
Eastman Polyester Black RB

NEW PRODUCT NOTES

Here are eight new interesting chemicals for your research evaluation.

PROPIONALDEHYDE

CH_3CH_2CHO

Sp. gr., 20°/20°C.	0.806
Boiling point, 760 mm., °C.	48
Assay, %	96.5
R. I., n 20/D	1.363
Color, APHA, ppm.	15-30

SUGGESTED USES

- Important primarily as a chemical intermediate.
- Oxidizes to propionic acid or propionic anhydride, both of which are, themselves, important chemical intermediates.
- Reactions with ammonia or amines produce compounds found useful as rubber accelerators and antioxidants.

ISOBUTYL ISOBUTYRATE

$(CH_3)_2CHCOOCH_2CH(CH_3)_2$

Sp. gr., 20°/20°C.	0.850-0.860
Boiling range, 760 mm., °C.	146-148
Assay, %	98
R. I., n 20/D	1.3990±0.001
Color, APHA	15

- An interesting material for the formulation of perfumes and various flavoring preparations.
- This ester has shown promise in insect repellent formulations providing protection against chiggers, flies, and coddling moths.

METHYL CROTONATE

$CH_3CH{=}CHCO_2CH_3$

Sp. gr., 25°C.	0.946
Boiling point, 760 mm., °C.	118
Assay, %	99+
R. I., n 25/D	1.4229

- Interesting chemical intermediate since polymerization may be effected at the double bond.
- Dienophile in the Diels-Alder reaction with butadiene and cyclopentadiene.

2,5-DIHYDROXYBENZOQUINONE

$C_6H_2O_2(OH)_2$

Form	Solid
Color	Yellow-orange
Melting point, °C.	216 (dec.)
Mol. wt. (theoretical)	140.09

- Quinone ethers and esters by reaction with alcohols and anhydrides.
- Polymerization inhibitor and as an intermediate for insecticides, metallic complexing agents, fungicides, antioxidants, and dyes.

2,2,4-TRIMETHYL-1,3-PENTANEDIOL

$(CH_3)_2CHCHOHC(CH_3)_2CH_2OH$

SUGGESTED USES

Boiling range, 4 mm., °C.	109-111
Melting point, °C.	49-51
Form	Solid
Assay, %	95
Color	White

- Alkyd resins through reaction with maleic or phthalic anhydride.
- Lubricants by esterification.
- As an ingredient in insect repellents.

2,2,4-TRIMETHYLPENTANOL

$CH_3CH(CH_3)CH_2C(CH_3)_2CH_2OH$

Sp. gr., 20°/20°C.	0.8296
Boiling range, 760 mm., °C.	166.6-168.1
Assay, %	98-99
R. I., n 20/D	1.4293
Color, APHA	5

- Has shown promise for use in synthetic high-temperature lube bases and functional fluids.
- Absence of beta-hydrogen atoms results in esters exhibiting good heat stability.
- This alcohol may have application as a terminating agent for polyesters and in other reactions where dehydration might be a problem.

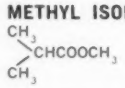
4-METHYLPENTANOIC ACID

$(CH_3)_2CH(CH_2)_2COOH$

Sp. gr., 20°/4°C.	0.921
Boiling point, 20 mm., °C.	110-112
Form	liquid
Color, APHA, ppm.	20

- This 6-carbon acid may be of value in the vinyl stabilizer and paint drier fields.
- Readily reacted with primary alcohols for possible use in the plasticizer field.

METHYL ISOBUTYRATE



Sp. gr., 20°C.	0.890
Boiling point, 760 mm., °C.	92
R. I., n 20/D	1.3840
Purity, %	99+
Melting point, °C.	—84.7

- Bulk component of flavor essences.
- Specialty solvent applications.

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Eastman

CHEMICAL PRODUCTS, INC.

Subsidiary of Eastman Kodak Company

KINGSPORT, TENNESSEE

Bulletin No. P-102

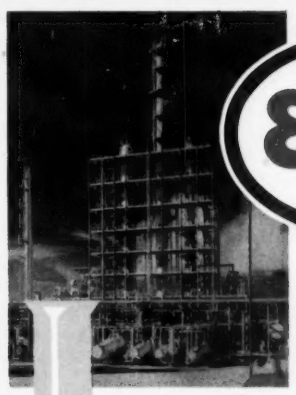
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PETRO-CHEMICALS

FOR INDUSTRY 1959-1960

ENJAY





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PETROCHEMICALS FOR INDUSTRY

LOWER ALCOHOLS

ETHYL ALCOHOL

(This alcohol is used by Enjay in preparing denatured alcohols, including Jaysol® and Jaysol® S Proprietary Solvents)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Vol. %	95.1
Sp. Gr., 20/20°C.	0.8122
Lbs./Gal., 60°F.	6.8
Distillation, °C.	
IBP	78.0
DP	78.6
Flash, T.O.C., °F.	68

APPLICATIONS

Acetaldehyde, Acetic Acid, Vinegar, Shellac Solvent, Ethyl Ether, Pharmaceuticals, Toiletries, Liquid Detergents, Solvent

ISOPROPYL ALCOHOL†, 91%

(Petrohol®, 91%)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Vol. %	91.5
Sp. Gr., 20/20°C.	0.8175
Lbs./Gal., 60°F.	6.8
Distillation, °C.	
IBP	79.7
DP	80.3
Flash, T.O.C., °F.	62

APPLICATIONS

Acetone, Solvent Extraction, Toiletries, Liquid Detergents, Cleaners, Solvent

ISOPROPYL ALCOHOL, ANHYDROUS

(Petrohol®, Anhydrous)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Vol. %	99.9+
Water Content, Wt. %	0.05
Sp. Gr., 20/20°C.	0.7858
Lbs./Gal., 60°F.	6.6
Distillation, °C.	
IBP	82.0
DP	82.4
Flash, T.O.C., °F.	60

APPLICATIONS

Aerosols, Lacquer Solvent (Latent), Isopropyl Acetate, Solvent Extraction, Solvent, Carburetor Anti-icing

SECONDARY BUTYL ALCOHOL

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	99.7
Water Content, Wt. %	0.1
Sp. Gr., 20/20°C.	0.808
Lbs./Gal., 60°F.	6.7
Distillation, °C.	
IBP	99.4
DP	100.4
Flash, T.O.C., °F.	85

APPLICATIONS

Methyl Ethyl Ketone, Lacquer Solvent (Latent) Sec. Butyl Acetate, Sec. Butyl Xanthate, Solvent

†Enjay also supplies Isopropyl Alcohol, 95%

HIGHER OXO ALCOHOLS

ISOOCTYL ALCOHOL

(A mixture of 8 carbon primary alcohols)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	99.6
Water Content, Wt. %	0.06
Sp. Gr., 20/20°C.	0.832
Lbs./Gal., 60°F.	6.9
Distillation, °C.	
IBP	184
DP	191
Flash, T.O.C., °F.	180+

APPLICATIONS

Plasticizers, Antifoams, Synthetic Lubricants, Metal Extraction, Surfactants, Herbicides, Vinyl Stabilizers, Solvent

ENJAY

PETROCHEMICALS FOR INDUSTRY

HIGHER OXO ALCOHOLS (Continued)

DECYL ALCOHOL

(A mixture of primary alcohols)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	99.5
Water Content, Wt. %	0.06
Sp. Gr., 20/20°C.	0.838
Lbs./Gal., 60°F.	6.9
Distillation, °C.	
IBP	215
DP	221
Flash, T.O.C., °F.	210

APPLICATIONS

Plasticizers, Antifoams, Synthetic Lubricants, Metal Extraction, Surfactants, Herbicides, Vinyl Stabilizers

TRIDECYL ALCOHOL

(A mixture of 13 carbon primary alcohols)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	99.5
Water Content, Wt. %	0.05
Sp. Gr., 20/20°C.	0.845
Lbs./Gal., 60°F.	7.0
Distillation, °C.	
IBP	245
DP	257
Flash, T.O.C., °F.	240

APPLICATIONS

Surfactants, Plasticizers, Metal Working Lubricants, Textile Lubricants, Bactericides

ETHERS

ETHYL ETHER

(Supplied inhibited and uninhibited)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	99.3
Sp. Gr., 20/20°C.	0.715
Lbs./Gal., 60°F.	6.0
Flash, T.O.C., °F.	−40

APPLICATIONS

Solvent Extraction, Ethylene, Explosives, Collodion, Solvent

ISOPROPYL ETHER, 94%

(Supplied inhibited)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	94.6
Sp. Gr., 20/20°C.	0.728
Lbs./Gal., 60°F.	6.1
Distillation, °C.	
IBP	33
DP	98
Flash, T.O.C., °F.	−4

APPLICATIONS

Solvent, Antiknock Agent

ESTERS

ETHYL ACETATE

(Two grades of ethyl acetate are sold by Enjay. The commonly used grade (85-88%) is represented here. A 99-100% grade is available for those uses where the presence of 12-15% ethyl alcohol is undesirable)

TYPICAL INSPECTIONS	
Color, Pt-Co	<5
Purity, Wt. %	88
Sp. Gr., 20/20°C.	0.886
Lbs./Gal., 60°F.	7.4
Distillation, °C.	
IBP	71.5
DP	77.6
Flash, T.O.C., °F.	40

APPLICATIONS

Lacquer Solvent, Solvent Extraction, Denaturant, Adhesives, Solvent

ENJAY

PETROCHEMICALS FOR INDUSTRY

ESTERS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
ISOPROPYL ACETATE	Color, Pt-Co ..... <5 Purity, Wt. % ..... 96.2 Sp. Gr., 20/20°C. ..... 0.870 Lbs./Gal., 60°F. ..... 7.3 Distillation, °C. IBP ..... 86.5 DP ..... 88.5 Flash, T.O.C., °F. 49	Solvent: Lacquers, Extraction, General
SECONDARY BUTYL ACETATE	Color, Pt-Co ..... 10 Purity, Wt. % ..... 88 Sp. Gr., 20/20°C. ..... 0.862 Lbs./Gal., 60°F. ..... 7.2 Distillation, °C. IBP ..... 106 DP ..... 113 Flash, T.O.C., °F. 89	Solvent: General, Lacquers, Textile Sizes, Paper Coatings

KETONES	TYPICAL INSPECTIONS	APPLICATIONS
ACETONE	Color, Pt-Co ..... <5 Purity, Wt. % ..... 99.7 Sp. Gr., 20/20°C. ..... 0.793 Lbs./Gal., 60°F. ..... 6.6 Distillation, °C. IBP ..... 55.9 DP ..... 56.3 Flash, T.O.C., °F. 8	Solvent: Extraction, Lacquers, Plastics, Coatings, Textiles, General; Higher Alcohols and Ketones
METHYL ETHYL KETONE	Color, Pt-Co ..... <5 Purity, Wt. % ..... 99.7 Sp. Gr., 20/20°C. ..... 0.806 Lbs./Gal., 60°F. ..... 6.70 Distillation, °C. IBP ..... 79.0 DP ..... 80.0 Flash, T.O.C., °F. 22	Solvent: Extraction, Lacquers, Rubber, General, Coated Fabrics; Lube Oil Dewaxing

OLEFINS	TYPICAL INSPECTIONS	APPLICATIONS
ETHYLENE (Supplied as a compressed gas)	Purity, mole % 99.5	Ethyl Alcohol, Polyethylene, Ethylene oxide, Styrene, Ethyl Chloride
PROPYLENE CONCENTRATE (Supplied as a liquefied gas)	Purity, mole % 89	Isopropyl Alcohol, Propylene Trimer, Propylene Tetramer, Propylene Oxide, Polypropylene, Cumene

ENJAY

PETROCHEMICALS FOR INDUSTRY

OLEFINS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
ISOBUTYLENE (Supplied as a liquefied gas)	Purity, Wt. % ..... 99.3 Sp. Gr., 60/60°F. ..... 0.602 Lbs./Gal., 60°F. 5.0	Butyl rubber, Vistanex®, Lube Oil Additives, Antioxidants, Alkylate Gasoline
TRIPROPYLENE	Olefins, Vol. % ..... 99+ Color, Pt-Co ..... 5 Sp. Gr., 20/20°C. ..... 0.738 Lbs./Gal., 60°F. ..... 6.1 Distillation, °F. IBP ..... 249 DP ..... 297 Flash, T.O.C., °F. 75	Nonylphenol, Nonylbenzene, Lube Oil Additives, Wetting Agents
NONENE, CLOSE CUT	Olefins, Vol. % ..... 99+ Color, Pt-Co ..... 5 Sp. Gr., 20/20°C. ..... 0.740 Lbs./Gal., 60°F. ..... 6.2 Distillation, °F. IBP ..... 268 DP ..... 285 Flash, T.O.C., °F. 78	Nonylphenol, Nonylbenzene, Lube Oil Additives, Wetting Agents, Decyl Alcohol
TETRAPROPYLENE	Olefins, Vol. % ..... 99 Color, Pt-Co ..... 40 Sp. Gr., 20/20°C. ..... 0.780 Lbs./Gal., 60°F. ..... 6.5 Distillation, °F. IBP ..... 360 FBP ..... 435 Flash, T.O.C., °F. 150	Detergent Alkylate, Tridecyl Alcohol, Wetting Agents, Dodecylphenol

DIOLEFINS	TYPICAL INSPECTIONS	APPLICATIONS
BUTADIENE (Supplied as a liquefied gas)	Purity, Wt. % ..... 98.6 Lbs./Gal., 60°F. 5.2	SBR Rubber, Polybutadiene Rubber, Resins, Nylon, Nitrile Rubber
ISOPRENE	Color ..... Light Yellow Purity, Wt. % ..... 95 Sp. Gr., 60/60°F. ..... 0.685 Lbs./Gal., 60°F. ..... 5.7 Flash, T.O.C., °F. ..... −65	Butyl Rubber, Resins, "Synthetic Natural" Rubber
DICYCLOPENTADIENE	Color, Pt-Co ..... 50 Purity, Wt. % ..... 96.0 Sp. Gr., 20/20°C. ..... 0.979 Lbs./Gal., 60°F. ..... 8.20 Flash, T.O.C., °F. 80-100	Insecticides, Resins, Varnishes, Ferrocene Compounds, Paints, Norbornylene, Diels-Alder Adducts

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PETROCHEMICALS FOR INDUSTRY

AROMATICS	TYPICAL INSPECTIONS	APPLICATIONS
BENZENE	Purity, Wt. % ..... 99+ Freezing Pt., °C. ..... 5.39 Sp. Gr. 60/60°F. ..... 0.884 Lbs./Gal., 60°F. ..... 7.4 Distillation, °C. IBP ..... 79.5 DP ..... 80.1 Flash, T.O.C., °F. 40	Styrene, Phenol, Nitrobenzene, Aniline, Detergent Alkylate, Insecticides
PARA XYLENE	Purity, Wt. % ..... 98.1 Freezing Pt., °C. ..... 11.5 Sp. Gr. 60/60°F. ..... 0.865 Lbs./Gal., 60°F. ..... 7.2 Flash, T.O.C., °F. 103	Textiles, Film, Terephthalic Acid
ORTHO XYLENE	Purity, Wt. % ..... 95.1 Sp. Gr. 60/60°F. ..... 0.882 Lbs./Gal., 60°F. ..... 7.4 Flash, T.O.C., °F. 115	Phthalic Anhydride
AROMATIC HB (A dark colored liquid high in aromatics)	Lbs./Gal., 60°F. ..... 7.6 Viscosity, SSU, 100°F. ..... 45 Flash, T.O.C., °F. ..... 180+ Pour Point, °F. ..... −10	Solvent for Wood Preservatives and Insecticides; Heat Exchange Fluid
AROMATIC CONCENTRATE (A dark colored viscous liquid high in aromatics)	Lbs./Gal., 60°F. ..... 8.9 Viscosity, SSU, 210°F. ..... 77 Flash, P-M, °F. ..... 230 Pour Point, °F. 45	Carbon Black, Dark Resins
AROMATIC TAR S-2	Lbs./Gal., 60°F. ..... 8.9 Viscosity, SSU, 210°F. ..... 120 Flash, P-M, °F. ..... 230+	Carbon Black

MISCELLANEOUS	TYPICAL INSPECTIONS	APPLICATIONS
CYCLOHEXANE	Color, Pt-Co ..... <5 Purity, Wt. % ..... 98.5 Sp. Gr., 60/60°F. ..... 0.781 Lbs./Gal., 60°F. ..... 6.5 Distillation, °F. IBP ..... 177 DP ..... 178.5 Flash, T.C.C., °F. 1	Nylon, Cyclohexanone
CTLA POLYMER (A dark viscous liquid of high unsaturates content)	NVM, Wt. % ..... 94 Iodine No. Cg./g ..... 247 Lbs./Gal., 60°F. ..... 8.3 Flash, C.O.C., °F. ..... 230+	Core Oils, Rubber Reclaiming, Hardboard Tempering Fluid
LP DISTILLATE (A clear yellow liquid rich in vinyl aromatics)	Lbs./Gal., 60°F. ..... 7.2 Distillation, °F. IBP ..... 200 FBP ..... 480 Flash, T.O.C., °F. 77	Resins, Aromatic Solvents

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PETROCHEMICALS FOR INDUSTRY

MISCELLANEOUS (Continued)	TYPICAL INSPECTIONS	APPLICATIONS
NAPHTHENIC ACID (A dark liquid mixture of carboxylic acids with a range in molecular weights)	Acid No. Mg KOH/g . . . . . 212 Lbs./Gal., 60°F. 8.2	Paint Driers, Preservatives, Greases

ISOBUTYLENE POLYMERS

VISTANEX®

A completely saturated polymer unvulcanizable by itself, but frequently added to impart special properties of vulcanized compounds to other synthetic polymers and natural rubber. Also used in unvulcanized compositions, alone and in combinations. Outstanding properties include exceptional electrical properties, chemical inertness, high ozone resistance, low gas permeability, excellent aging, and high degree of tackiness. Soluble in hydrocarbon solvents. Principal uses include cable insulation compounds, pressure-sensitive adhesives, caulking and sealing compounds, additive to wax, asphalt and polyethylene.

ENJAY BUTYL RUBBER

A copolymer of isobutylene with a small proportion of isoprene to give a controlled, low degree of unsaturation. Processing is similar to that of natural rubber except that no premastication is required. Soluble in hydrocarbon solvents. Outstanding features include low permeability to gases; excellent resistance to ozone, weathering, heat, chemicals and tear; outstanding electrical properties. Principal uses are for tires, inner tubes, tire curing bags and bladders, molded parts for automotive, industrial and domestic appliance applications, electrical insulation, tank linings, hose and belting, adhesives, caulking and sealing compounds, and as an additive to wax, asphalt and polyethylene.

PARAMINS—ADDITIVES FOR FUELS AND LUBRICANTS

PARANOX®

detergent inhibitors retard oxidation and minimize creation of harmful deposits.

PARATONE®

viscosity index improvers build high "VI" for cold weather quick starting with low consumption and reduced friction characteristics.

PARAFLOW®

pour-point depressants insure oil flow in cold weather.

PARAFLOW®

dewaxing aid increases filter rate and dewaxed oil yield.

PARABAR®

oxidation and rust inhibitors produce stable industrial oils that protect critical metal surfaces from corrosive effects of oxidation and moisture.

PARADYNE®

oil and fuel improvers impart oxidation and anti-rust characteristics to fuel oil and gasoline.

PARAPOID®

gear oil additives improve load-carrying and anti-weld properties of gear oils for maximum protection of gears under extreme-pressure service conditions.

PARATAC®

lubricants tackiness agents impart cohesiveness to any oil or grease.

PARAMIN MISCELLANEOUS PRODUCTS

have been developed to solve many other performance and blending problems. Among these products are color stabilizers, cast and outer tone modifiers, oiliness agents and metal deactivators.



PETROCHEMICALS FOR INDUSTRY

ENJAY LABORATORIES OFFER TECHNICAL HELP IN THE APPLICATION OF ANY ENJAY PRODUCT

Enjay Laboratories, with the industry's most modern, most complete testing and research facilities, stand ready to give you any technical assistance you might need in the application of Enjay petrochemicals. For further information on Enjay products call or write any Enjay office.

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ENJAY COMPANY, INC.

15 West 51st Street, New York 19, N. Y.



DELMAR CHEMICAL
COMPANY INC.
ELKTON, MD.

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DIAL CODE
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PHOSGENE

AND DERIVATIVES

INTERMEDIATES

CARBAMATE

CARBONATE

CHLOROFORMATE

CUSTOM PHOSGENATING

and PROCESSING

DIRECT INQUIRIES TO DEPT. BG

1. with Fatty Nitrogen Chemicals . . . for corrosion inhibitors, ore flotation agents, hard rubber mold release agents, textile softeners, and petroleum additives.



"Creative

General Mills—FATTY NITRILES

Product	Description	Percent Nitrile (Minimum)	Iodine Value
Alitrile 21D	distilled coconut oil nitrile	95	16 max.
Alitrile 7D	distilled stearonitrile	95	5 max.

General Mills—PRIMARY FATTY AMINES

Product	Description	Primary Amine Content (%) (Minimum)	Amine Value (Minimum)	Iodine Value
Alamine 4	primary lauryl amine	87	270	2 max.
Alamine 4D	distilled primary lauryl amine	97	294	2 max.
Alamine 5	primary myristyl amine	87	244	3 max.
Alamine 5D	distilled primary myristylamine	97	255	3 max.
Alamine 6	primary palmityl amine	87	207	3 max.
Alamine 6D	distilled primary palmityl amine	97	222	3 max.
Alamine 11	primary oleyl amine	87	189	70 min.
Alamine 11D	distilled primary oleyl amine	97	203	70 min.
Alamine 21	primary coconut oil amine	87	250	16 max.
Alamine 21D	distilled primary coconut oil amine	97	272	16 max.
Alamine 26	primary tallow amine	87	192	43-50
Alamine 26D	distilled primary tallow amine	97	207	43-50
Alamine H26	primary hydrogenated tallow amine	87	192	6 max.
Alamine H26D	distilled primary hydrogenated tallow amine	97	207	6 max.
Alamine 7	primary stearylamine	87	186	6 max.
Alamine 7D	distilled primary stearylamine	97	202	6 max.
Alamine 15	primary oleyl-linoleyl amine	87	190	90 min.
Alamine 15D	distilled primary oleyl-linoleyl amine	97	200	90 min.
Alamine 33	primary cottonseed oil amine	87	192	65 min.
Alamine 33D	distilled primary cottonseed oil amine	97	207	65 min.
Alamine 34	primary soybean oil amine	87	192	85 min.
Alamine 46	mixed amines	60	150	20 min.

*mg KOH equivalent to 1 gram of amine

General Mills—N-FATTY 1, 3-PROPYLENE DIAMINES

Product & Description	Amine Value	Water Content	Melting Range
Diam 21 N-coco 1, 3-propylene diamine	375 min.	2% max.	20-25°C
Diam 21D distilled N-coco 1, 3-propylene diamine	390 min.	2% max.	25-30°C
Diam 26 N-tallow 1, 3-propylene diamine	285 min.	2% max.	43-47°C

General Mills—TERTIARY FATTY AMINES

Product & Description	Amine Value	% Tertiary Amine
Alamine 304 Trilauryl amine	98-116	90 min.
Alamine 321 Tricoco amine	91-107	90 min.
Alamine 336 Tricaprylyl amine	132-142	90 min.

General Mills—SECONDARY FATTY AMINES

Product	Description	Secondary Amine Content (%) (Minimum)	Amine Value (Minimum)	Iodine Value
Alamine 204	secondary lauryl amine	85	153	3 max.
Alamine 205	secondary myristyl amine	85	132	4 max.
Alamine 206	secondary palmityl amine	85	116	5 max.
Alamine 207	secondary stearyl amine	85	100	5 max.
Alamine 215	secondary oelyl-linoleyl amine	85	105	90 min.
Alamine 221	secondary coconut oil amine	85	—	16 max.
Alamine H226	secondary hydrogenated tallow amine	85	—	12 max.

General Mills—FATTY QUATERNARY AMMONIUM CHLORIDES

Product	Description	Percent Quaternary Ammonium Compound	Percent Sodium Chloride	pH
Aliquat 4	lauryl trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 6	palmityl trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 7	stearyl trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 11	oleyl trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 15	oleyl-linoleyl trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 21	coco trimethyl ammonium chloride	48-52	1 max.	9 max
Aliquat 26	monotallow trimethyl ammonium chloride	48-52	1 max.	9 max.
Aliquat 204	dilauryl dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat 205	dimyristyl dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat 206	dipalmityl dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat 207	distearyl dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat 221	dicoco dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat H226	di(hydrogenated tallow) dimethyl ammonium chloride	73-77	0.5 max.	9 max.
Aliquat 400	1:1 mixture Aliquats 26 and 221	48-52	1 max.	9 max.
Aliquat 336	tricaprylyl monomethyl ammonium chloride	73-77	0.5 max.	5-7
Aliquat 721	quaternized coco diamine	48-52	1.0 max.	9 max.
Aliquat 726	quaternized tallow diamine	48-52	1.0 max.	9 max.

General Mills—FATTY AMINE ACETATES

Product	Description	Amine Value (Minimum)	Percent Neutralization	Iodine Value
Alamac 21	primary coconut oil amine acetate	191	97-103	10 max.
Alamac 21D	distilled primary coconut oil amine acetate	204	97-103	10 max.
Alamac 26	primary tallow amine acetate	154	97-103	35-45
Alamac 26D	distilled primary tallow amine acetate	164	97-103	35-45
Alamac H26	primary hydrogenated tallow amine acetate	152	97-103	5 max.
Alamac H26D	distilled primary hydrogenated tallow amine acetate	162	97-103	5 max.
Alamac 7D	distilled primary stearylamine acetate	159	97-103	5 max.

2. with **Deriphat Amphoteric Surfactants** . . . for industrial and cosmetic detergent formulations, corrosion inhibitors, emulsion polymerization, emulsifiers, and in metal fabrication.



Here's what DERIPHAT amphoterism is . . .

Acidic Media	Neutral Media	Basic Media
$RNH_2^+CH_2CH_2COOH$	$\rightleftharpoons RNH_2^+CH_2CH_2COO^-$	$\rightleftharpoons RNHCH_2CH_2COO^-$
cationic properties	amphoteric properties	anionic properties

Here's what Deriphats are . . . DERIPHATS are N-substituted fatty amino acid derivatives. These fatty-based amphoteric surfactants contain both cationic and anionic functionality. This dual nature provides a single surfactant operative in both acidic and alkaline media. DERIPHATS are compatible with cationic, nonionic and anionic surfactants over a broad range. They produce abundant, lasting foam, are effective wetting agents, and retain their surface activity in concentrated alkalies and brines. The DERIPHATS exhibit excellent corrosion-inhibiting properties and detergency.

Chemistry from General Mills serves industry world wide!"

3. with **Versamid Polyamide Resins** . . . for protective coatings, potting, casting, laminates, adhesives, thixotropic paint and flexographic inks.



SPECIFICATIONS

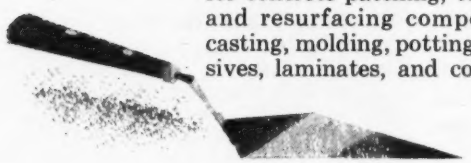
SOLID SERIES	Amine Value	Color Gardner (Solid Resin) Max.	Melting Point (ASTM 1240)	Viscosity—Poises—40° C**	Viscosity—Poises—150° C**	Viscosity—Poises—200° C**	Viscosity—Poises—25° C**
900	3*	NDT 12	180-190	—	—	3-4	—
930	3*	NDT 12	105-115	—	30-45	—	—
940	3*	NDT 12	105-115	—	15-30	—	—
950	3*	NDT 12	95-105	—	7-15	—	—
SEMI-SOLID SERIES							
100	83-93	NDT 12	43-53	—	10-15	—	—
FLUID SERIES							
115	210-220	NDT 12	Fluid	500-750	—	—	—
125	290-320	NDT 12	Fluid	80-120	—	—	—
140	350-400	NDT 12	Fluid	—	—	—	125-175

*Typical Amine Value **Brookfield Viscometer

PHYSICAL DATA

SOLID SERIES	% Ash (By Weight)	Specific Gravity	Pounds Per Gallon	Penetration—25°C ASTM D5-52
900	0.05	0.98	8.2	2
930	0.05	0.98	8.2	3
940	0.05	0.98	8.2	4
950	0.05	0.98	8.2	15
SEMI-SOLID SERIES				
100	0.05	0.98	8.2	100
FLUID SERIES				
115	0.05	0.99	8.2	—
125	0.05	0.97	8.1	—
140	0.05	0.97	8.1	—

4. with **Genamid Epoxy Co-reactants** . . . for concrete patching, topping, and resurfacing compounds, casting, molding, potting, adhesives, laminates, and coatings.



5. with **Sterols** . . . for pharmaceuticals



TENTATIVE SPECIFICATIONS: SITOSTEROL

% Sterols.....97 min. color.....white crystals

SPECIFICATIONS AND PHYSICAL DATA

Specifications:*

Product	Amine Value	Viscosity at 25° C—Poises	Color—Gardner
Genamid 250	425-450	5-10	NDT-11
Genamid 310	380-415	40-60	NDT-12
Typical Properties (Average):			
Product	% Ash	Specific Gravity	Pounds per Gallon
Genamid 250	0.05	0.95	7.9
Genamid 310	0.05	0.96	8.0

*Tentative

These General Mills chemicals are already commanding widespread use. They are shipped regularly to industries all over America. From giant formulators to small regional firms—General Mills chemicals are finding friends among our nation's most imaginative chemists *and* companies.

If you are not already using General Mills chemicals, why not drop us a note about your product or process. Somewhere within the area of fatty nitrogens, Versamids, Genamids, Deriphats, or Sterols might lie new economy, new properties, even new demand for your present products. Perhaps, even new *ideas* for future development. Write Department CW-94.

Versamid, Genamid, Deriphat, Alamines, Alamacs, Aliquats, Diams are trademarks of General Mills

CREATIVE CHEMISTRY FROM GENERAL MILLS SERVES INDUSTRY WORLD WIDE

CHEMICAL DIVISION

KANKAKEE, ILLINOIS

General Mills

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EVANS Chemetics Inc.

Specialists in Organic Sulphur Compounds

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MURRAY HILL 3-0071

p-Aminophenylmercaptoacetic Acid

$NH_2-C_6H_4-S-CH_2CO_2H$

Mol. Wt.	183.23
M. P.	186-187°C

p-Chlorothiophenol

$Cl-C_6H_4-SH$

Mol. Wt.	144.61
M. P.	51.5°C
Assay	99% Min.

2-Diethylaminoethanethiol Hydrochloride

$HCl \cdot Et_2N-CH_2CH_2-SH$

Mol. Wt.	169.73
M. P.	170°C Min.
Assay (SH)	95% Min.

Diphenyl Disulphide

$C_6H_5-S-S-C_6H_5$

Mol. Wt.	218.3
M. P.	59°C Min.
Assay	99% Min.

Glycol di-Mercaptoacetate

$HS-CH_2C(=O)-O-CH_2CH_2-O-C(=O)CH_2-SH$

Mol. Wt.	210.26
B. P.	137-139°C @ 1-2 mm
Assay	95% Min.

Iso-octyl Thioglycolate

$HS-CH_2C(=O)-O-(C_8H_{17})$

Mol. Wt.	204.42
B. P.	125°C @ 17 mm
Assay	98.5% Min.

2-Mercaptoethylamine Hydrochloride

$HCl \cdot NH_2-CH_2CH_2-SH$

Mol. Wt.	113.61
M. P.	69°C Min.
Assay	96% Min.

b-Mercaptopropionic Acid

$HS-CH_2CH_2CO_2H$

Mol. Wt.	106
M. P.	16.8°C
B. P.	110.5-111.5°C @ 15 mm
Assay	99% Min.

1-Thioglycerol
(Thiovanol®)

$CH_2(OH)CH(OH)CH_2-SH$

Mol. Wt.	108.2
B. P. (Anhydrous material)	118°C @ 5 mm
Assay (Aqueous solution)	90%

Phenylmercaptoacetic Acid
(Carboxythioanisole)

$C_6H_5-S-CH_2CO_2H$

Mol. Wt.	168.2
M. P.	63°C Min.
Assay	98.5% Min.

Thiodiglycolic Acid

$HO_2CCH_2-S-CH_2CO_2H$

Mol. Wt.	150
M. P.	128°C Min.
Assay	98.5% Min.

Thioglycolic Acid
(Thiovanic Acid®)

$HS-CH_2CO_2H$

Mol. Wt.	92.11

a) 68-72% Aqueous Solution

b) Concentrated Grade:

B. P.	96°C @ 5 mm
Assay	98-99%

Thioglycolic Acid Salts

a) Ammonium Thioglycolate 50-55% Aqueous Solution

b) Sodium Thioglycolate White Powder or Solution

c) Calcium Thioglycolate White Powder $S(CH_2CO_2Ca \cdot 3H_2O)_2$

d) Various esters also available

Thiomalic Acid

$HS-CH(CO_2H)\ CH_2CO_2H$

Mol. Wt.	150.15
M. P.	128°C Min.
Assay	98.5% Min.

Thiophenol
(Benzene Thiol)

C_6H_5-SH

Mol. Wt.	110.17
B. P.	71.0°C @ 15 mm
Assay	99% Min.

Inquiries are invited with regard to other organic sulfur compounds

HOOKER CHEMICALS



These products are typical of many that have been developed to commercial production at Hooker. They illustrate the process facilities available to you. If you need any similar product in commercial quantity within the scope of these processes, please write us. Full information will be furnished to you promptly.

ALKALIES

Hooker is a major producer of caustic soda, caustic potash, and carbonate of potash. These commercial alkalies are supplied in a wide choice of forms, and have achieved a reputation for high purity and uniformity.

CHLORINE COMPOUNDS

More than 30 years of experience in chlorination has led to the large-scale production of a great variety of organic and inorganic chlorides at Hooker. Chlorinated organics include chlorobenzenes, chlorotoluenes and their derivatives, and trichlorethylene. Inorganic chlorination produces sulfur and phosphorus chlorides and oxychlorides, as well as metallic chlorides in the anhydrous form.

SULFUR COMPOUNDS

The manufacture of sodium sulfide and sodium sulfhydrate of exceptionally high purity has been carried out since 1937 on a large scale. These products, together with high-purity hydrogen sulfide gas, serve as raw materials in the manufacture of mercaptans and other sulfur-containing compounds. A number of special sulfur compounds are manufactured on an exclusive basis.

OTHER PRODUCTS

Under the Oldbury® brand, Hooker produces a variety of products including phosphorus chlorides and sulfides, phosphoric anhydride, phosphorous acid, and hypophosphites, all of which are described herein.

Also under the Oldbury brand, Hooker manufactures sodium chlorate, potassium chlorate, and perchlorate, and oxalic acid. Hooker is the largest producer of these products in the western hemisphere.

Special products sold to the metal-producing and metal-working industries are molten-salt-bath cleaners: Virgo® Descaling Salt, used for removing scale from stainless steels, high alloys, and titanium; Virgo Electrolytic Salt, for desanding and degraphitizing castings; and Virgo Molten Cleaner, for removing rust and organic deposits from metal.

Information on Virgo products is contained in Bulletin 25, which will be mailed on request.

PHOSPHORUS DIVISION

Hooker Phosphorus Division products include sodium tripolyphosphate, dicalcium phosphate, phosphoric acid, tetrasodium pyrophosphate, disodium phosphate, trisodium phosphate, sodium hexametaphosphate. These products are described separately.

DUREZ® PLASTICS

A broad line of plastic materials is manufactured by the company's Durez Plastics Division. Products of this division include phenolic molding compounds, polyester molding compounds, diallyl phthalates, phenolic resins, and fire-retardant Hetron® polyester resins. Information on these plastics may be obtained by writing direct to Durez Plastics Division, Walck Road, North Tonawanda, N. Y.

HOOKER CHEMICAL CORPORATION
1200 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.

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HOOKER CHEMICALS® PLASTICS

HOOKER CHEMICAL CORPORATION

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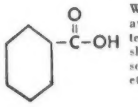
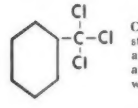
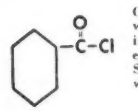
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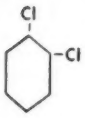
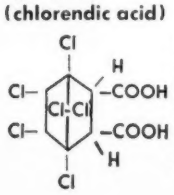
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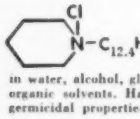
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Alkali, Special, 928 Phosphated alkali.	White flake material.	Bottle washing compound. Steel drums ..... 422 lbs. net
Antimony Pentachloride $SbCl_5$ Light brown to brown liquid. Reacts with moisture and fumes in contact with atmosphere.	Mol. Wt. ..... 299.05 $SbCl_5$, Typical ..... 99% F. P. ..... 0 ± 2°C	As a chlorinating agent in organic synthesis and dye manufacture and as a catalyst. 10-gal. steel drums ..... 185 lbs. net
Antimony Trichloride, Anhydrous $SbCl_3$ **(antimonous chloride)** Yellowish crystalline solid cast into container. Also available in "selected grade." Very hygroscopic; corrosive; soluble in water, alcohols, acids, benzene, chlorobenzene.	Mol. Wt. ..... 228.1 Antimony Trichloride ..... 99% Iron and Arsenic ..... 1% Max. Lead ..... 0% M. P. ..... 73.4°C	In the petroleum industry with aluminum chloride, as a catalyst to convert normal butane to isobutane; in various hydrocarbon oil treatments. Catalyst for organic synthesis, especially dyes and pharmaceuticals; in preparation of antimony salts; as a reagent in preparation of Vitamin A; as a mordant in cotton printing; in metal treating processes such as antimony plating, bronzing iron, etc. 5-gal. pails ..... approx. 100 lbs. net
Arsenic Trichloride, Anhydrous $AsCl_3$ **(arsenious chloride)** Clear, almost colorless to pale yellow, heavy liquid. Fumes in moist air. Corrosive. Reacts with water; soluble in alcohol, ether.	Mol. Wt. ..... 181.3 F. P. ..... —18°C B. P. ..... 130.5°C Flash Point ..... None Fire Point ..... None Sp. Gr., 14°/4°C 2.163	In manufacture of synthetic organics containing arsenic; insecticides, poison gases. 20-gal. steel drums ..... 350 lbs. net 55-gal. steel drums ..... 1000 lbs. net
Benzoic Acid, U.S.P. Tech. (phenylformic acid) C_6H_5COOH  White crystalline solid available in U.S.P. or technical grade. Very slightly soluble in water, soluble in alcohol and ether.	Mol. Wt. ..... 122.1 M. P. ..... 122.0°C *U.S.P. Grade* Form ..... Crystal or Powder Benzoic Acid ..... 99.3% Min. Water ..... 0.02% Max. *Technical Grade* Form ..... Crystal or Powder Benzoic Acid ..... 98.0% Min. Water ..... 0.2% Max.	Dyestuff intermediate in manufacture of certain aniline and anthraquinone dyes; manufacture of perfumes and pharmaceuticals; manufacture of benzoates, preservative for foods, cosmetic creams and lotions, antiseptics, dentifrices; used as a modifier in urea formaldehyde resins; used in manufacture of paint filler and in pigment grinding. Dyeing assistant for polyglycol terephthalate fibers (Dacron). Fiber drums ..... 100 and 200 lbs. net
Benzotrichloride (toluene trichloride) $C_6H_5CCl_3$  Clear, colorless liquid, strongly irritating to eyes and skin. Soluble in ether and benzene; reacts with water and alcohol.	Mol. Wt. ..... 195.5 F. P. ..... —5°C Dist. R. ..... 219° to 223°C Sp. Gr., 15.5°/15.5°C ..... 1.380 Purity ..... 99% Min.	In organic synthesis and preparation of dyestuffs; source of benzenyl group. 13-gal. glass stoppered carboys ..... 140 lbs. net 55-gal. steel drums ..... 600 lbs. net
Benzoyl Chloride C_6H_5COCl  Clear, colorless liquid with a sharp characteristic odor; fumes when exposed to moist air. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 140.5 F. P. ..... —0.9°C B. P. ..... 197.3°C Sp. Gr., 15.5°/15.5°C ..... 1.219 R. I., n20/D ..... 1.5536 Flash Point ..... 72°C Fire Point ..... 85°C Benzoyl Chloride 99%	As a highly reactive acid chloride, it may be used to introduce the benzoyl group into organic compounds, especially through Friedel-Crafts reactions. It is used in the manufacture of synthetic perfumes, pharmaceuticals, dyes and resins. 5-gal. glass stoppered carboys ..... 50 lbs. net 13-gal. glass stoppered carboys ..... 125 lbs. net 55-gal. lacquer-lined steel or nickel drums ..... 535 lbs. net

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Benzyl Chloride (alpha chlorotoluene) $C_6H_5CH_2Cl$  Clear, colorless to light yellow liquid having a pungent odor. Infinitely miscible with alcohol and ether; immiscible with water. It is strongly irritating to the eyes and skin.	Mol. Wt. ..... 126.5 F. P. ..... —43°C Dist. R. ..... 2° incl. 179.4°C Sp. Gr., 15.5°/15.5°C ..... 1.107 R. I., n25/D 1.5365	In manufacture of chemical intermediates, dyestuffs, perfume bases, plasticizers, resins, wetting agents, rubber accelerators, gasoline gum inhibitors, pharmaceuticals. 5-gal. glass stoppered carboys ..... 45 lbs. net 13-gal. glass stoppered carboys ..... 115 lbs. net 55-gal. steel or nickel drums ..... 475 lbs. net *When shipped in steel drums, 29 lbs. of a 10% Na_2CO_3 solution is added to prevent contamination through corrosion of the drums. The 29 lbs. of soda solution are included in the tare of the drums.*
Butyryl Chloride (butanoyl chloride) C_3H_7COCl Clear, colorless liquid of characteristic pungent acid chloride odor. It reacts with alcohol and water; infinitely miscible in ether.	Mol. Wt. ..... 106.5 F. P. ..... —89°C Dist. R. (95%) ..... 100° to 110°C Sp. Gr., 15.5°/15.5°C ..... 1.028 R. I., n20/D 1.4121	Organic synthesis, to introduce butyryl group. 5-gal. glass stoppered carboys ..... 45 lbs. net 13-gal. glass stoppered carboys ..... 100 lbs. net
Calcium Hypophosphite $Ca(H_2PO_2)_2$ N.F. grade; small white crystals moderately soluble in water. Decomposes when heated.	Mol. Wt. ..... 170.06 M. P. ..... Decomposes at about 340°C, evolving spontaneously flammable phosphine. B. P. ..... Decomposes	In medicinals; in preparation of other salts; organic synthesis. Fiberpak drums ..... 25 and 50 lbs. net
Caprylyl Chloride (octanoyl chloride) $CH_3(CH_2)_6COCl$ Clear, water-white to straw-colored liquid with characteristic pungent odor. It contains small amounts of hexanoyl and decanoyl chlorides. It is fairly stable below the boiling point. Miscible in most common solvents; reacts with alcohol and water.	Mol. Wt. ..... 162.7 F. P. ..... Below —70°C Dist. R. (90%) ..... 183° to 212°C Sp. Gr., 15.5°/15.5°C ..... 0.9576 R. I., n20/D ..... 1.4357 Flash Point ..... 82°C Fire Point ..... 87°C	In chemical synthesis. 13-gal. carboys ..... 100 lbs. net 55-gal. nickel drums ..... 350 lbs. net
Carbonate of Potash (Nialk® brand) (potassium carbonate) K_2CO_3 Liquid ..... 47% to 52% Hydrate ..... 83.5% to 84% Calcined ..... 99.2% to 99.6%	For detailed physical data, and safety and handling information, refer to booklet, "Nialk® Caustic Potash—Carbonate of Potash."	The high purity of Nialk Carbonate of Potash has made it acceptable for use by many industries, particularly for glasses such as optical, plate, tableware, television tubes, etc.; for preparing many organic potassium compounds and inorganic potassium salts; textile dyeing, etc. *Liquid:* 55-gal. steel drums ..... 660 lbs. net Tank wagons, tank cars *Hydrate:* Barrels ..... 450 lbs. net Bags ..... 100 lbs. net *Calcined:* Barrels ..... 325 lbs. net Bags ..... 100 lbs. net
Caustic Potash (Nialk® brand) (potassium hydroxide) KOH *Standard Grade* Liquid ..... 45% to 52% Flake and Solid ..... 85% and 90% Other forms ..... 90% *Low Chloride* Liquid ..... 45% to 52% Flake 85%	For detailed physical data, and safety and handling information, refer to booklet, "Nialk® Caustic Potash—Carbonate of Potash."	In manufacture of soap, liquid detergents, potash glasses, inorganic potassium salts and organic potassium compounds; miscellaneous uses in many other industries. *Liquid:* 55-gal. steel drums, tank cars, tank wagons *Solid:* Steel drums ..... 700 lbs. net *Flake and other forms:* Steel drums ... 100, 400, 450 lbs. net
Caustic Soda (sodium hydroxide) NaOH Liquid—50%, 73% and special grades Solid Regular Flake Fine Flake Crystal Flake Granular Powder	Mol. Wt. ..... 40 Sp. Gr., at 15.5°/4°C ..... 2.130 M. P. ..... 318°C B. P. ..... 1390°C Latent Heat of Fusion ..... 40 Cal/gm	In manufacture of viscose rayon, paper pulp, soap, chemical intermediates, dyes, drugs, cosmetics, water softening compounds; for reclaiming rubber, tin, aluminum and paper; in bleaching, dyeing and printing textiles, and mercerizing cotton; in food processing, petroleum refining; many other industries and processes. *Liquid:* Steel drums, tank cars, tank wagons, barges *Regular Flake:* Steel drums ..... 100 and 400 lbs. net *Fine Flake, Crystal Flake, Granular, Powder:* Steel drums ..... 450 lbs. net *Solid:* Steel drums ..... 700 lbs. net

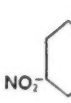
HOOKER CHEMICAL CORPORATION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Chlorinated Paraffin (CP®-40) $C_{24}H_{43.1}Cl_{6.9}$ (Average) Light, honey-colored, clear, viscous liquid averaging 42.5% chlorine. Soluble in most organic solvents.	Mol. Wt. (av.) ..... 576 Chlorine content ..... 42.5% Free HCl ..... 0.006% Iron ..... 10 ppm or less Sp. Gr. 15.5°/15.5°C ..... 1.185 Color, Union Colorimeter ASTM ..... 1.5 to 2.5	In composition for waterproofing and fireproofing fabrics, and as an ingredient in special paints such as traffic paints and fire retardant paints; plasticizer and extender for certain plastic materials. Its use in lubricants is restricted. 55-gal. lacquered steel drums ..... 530 lbs. net
Chlorine, Liquid Cl_2 Orange liquid under pressure; greenish-yellow gas at ordinary pressure and temperature. Hooker liquid chlorine is of standard market quality.	Mol. Wt. ..... 70.9 F. P. ..... −100.98°C B. P. ..... −34.5°C Critical Temp. ..... 144°C Critical Press. ..... 1118 lbs./in² abs.	Bleaching pulp and paper, water purification, sewage treatment, general germicide and deodorant. Manufacture of inorganic chlorides, e.g., metallic chlorides, sulfur chlorides, phosgene and hydrogen chloride; organic chlorides including acids, aliphatic and aromatic chlorides. Among products derived directly or through intermediates are: synthetic rubber, rayon, cellophane, protective fabrics, high octane gasoline, organic solvents, refrigerants, automotive coolants. Cylinders ..... 100 and 150 lbs. net Multi-unit cars of 15 one-ton containers. Tank cars ..... 16, 30 and 55 tons net
***ortho*-Dichlorobenzene, Tech. (1, 2-dichlorobenzene)** $C_6H_4Cl_2$  Clear, colorless liquid with a characteristic odor. Completely miscible with most organic solvents; immiscible with water.	Mol. Wt. ..... 147.0 F. P. ..... −18° to −22°C Dist. R. ..... 4° incl. 179.5°C Sp. Gr., 15.5°/15.5°C ..... 1.313 R. I., n20/D ..... 1.550 Flash Point ..... 77°C	Solvent for gums, resins, tars, rubbers, oils, fats, asphalts, sulfur, charred grease and oil; used for degreasing metals, leather, hides, wool; insecticide for termites, wood borers, etc., and in antifouling paints; ingredient of metal polishes, paint and varnish removers; heat transfer medium for condensing vapor systems above the range conveniently covered by steam; in manufacture of dyestuffs, other organics. 55-gal. steel drums ..... 600 lbs. net Tank cars
***para*-Dichlorobenzene (Paradi®) (1, 4-dichlorobenzene)** $C_6H_4Cl_2$  White to clear transparent crystals with a pleasant aromatic odor. It sublimes readily leaving no residue. It is packaged in seven regular mesh sizes. Soluble in most organic solvents.	Mol. Wt. ..... 147.0 M. P. ..... 53°C B. P. ..... 173°C Flash Point ..... 73°C Fire Point ..... 108°C	Recommended and widely accepted as a highly effective insecticide for agricultural and domestic control of: peach tree borer, black peach aphids, tobacco blue mold, clothes moths, carpet beetles, fish moths, garden centipedes. Also used in manufacture of sanitary specialties such as deodorants. As chemical intermediate in organic synthesis, it is used in preparation of a variety of chemicals, especially dyestuffs. Fiber drums ..... 25, 50, 100, and 200 lbs. net
Fluorolubes® $(-CF_2-CFCl-)_x$ Fluorolubes (registered trade-mark) are polymers of trifluorovinyl chloride. These products are produced as light oils, heavy oils, and grease-like materials. They have excellent lubricating properties and are very stable in the presence of strong oxidizing agents such as oxygen, hydrogen peroxide, concentrated nitric acid, etc.	<table><tr><th>Fluorolube</th><th>FS-5</th><th>S-30</th><th>HO-125</th><th>LG-160</th></tr><tr><td>Mol. Wt. (av.)</td><td>560</td><td>775</td><td>950</td><td>965</td></tr><tr><td>Pour Point (°C)</td><td>−45</td><td>−15</td><td>18</td><td>25</td></tr><tr><td>Density, gm/cc, 100°F</td><td>1.868</td><td>1.930</td><td>1.958</td><td>1.966</td></tr><tr><td>Viscosity, Centistokes, 100°F</td><td>5</td><td>100</td><td>750</td><td>1.400</td></tr><tr><td>% Fluorine</td><td>49</td><td colspan="3" rowspan="2">Same for all types</td></tr><tr><td>% Chlorine</td><td>31</td></tr></table> *For complete list of grades and data, write for Technical Data Sheet No. 776.*	Lubricant and sealant for plug cocks, valves, and vacuum pumps. Impregnant for gaskets and packings. Fluid for hydraulic equipment, heat exchange and instrument damping. Miscellaneous applications such as low temperature lubricant, high density fluid, etc. Also available as thickened "GR" greases. Tin or aluminum containers of various sizes.
Het® Acid (chlorendic acid)  Fine, white, free-flowing, non-dusting crystals. A unique dibasic acid possessing more than 54% by weight of stable chlorine. Soluble in most organic solvents.	Mol. Wt. ..... 388.87 Chlorine Content ..... 54.7% Acid Number ..... 289 mg KOH/g	Het acid is a new chemical intermediate which may be used for the production of numerous materials containing stable chlorine. Among suggested uses are fire-retardant resins, plasticizers, adhesives, laminates, coatings, and other plastic materials. Fiber drums ..... 50 and 250 lbs. net

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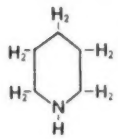
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Hexachlorocyclopentadiene (C®-56) C_5Cl_6  Light yellow liquid with pungent odor. A highly reactive chlorocarbon.	Mol. Wt. ..... 272.79 F. P. ..... 9.6°C Dist. R. ..... 237° to 250°C Sp. Gr., 15.5°/15.5°C ..... 1.717 Flash Point ..... None	Suggested as an intermediate in preparation of end products such as insecticides, dyes, pharmaceuticals, resins, germicides, fungicides. Classes of compounds which can be produced include: acids, acid chlorides, acid anhydrides, esters, amides, ketones, diketones, quinones, acetals, nitriles, fluorocarbons. 5-gal. lacquer-lined cans ..... 70 lbs. net 55-gal. lacquer-lined drums ..... 700 lbs. net Tank cars
Lauryl Chloride (dodecylchloride) $C_{12.4}H_{25.7}Cl$ **(Average)** Clear, water-white, oily liquid having a faint fatty odor. It is available in two grades, Refined and Technical, and is composed of a mixture of n-alkyl chlorides in which the C_{12} predominates. Completely miscible with most organic solvents, slightly miscible with alcohol, immiscible with water.	Mol. Wt. (av.) ..... 210.3 Chlorine content ..... 16% Crystallization Point ..... —19°C Dist. R., 95% at 5 mm. 112° to 160°C Sp. Gr., 15.5°/15.5°C ..... 0.863 Flash Point ..... 113°C Fire Point ..... 135°C	Chemical intermediate for synthesis of esters, sulfides, mercaptans, etc. 5-gal. cans ..... 35 lbs. net 55-gal. steel drums ..... 375 lbs. net Tank cars
Lauryl Mercaptan (dodecylmercaptan) $C_{12.4}H_{25.7}SH$ **(Average)** Water-white to slightly pale yellow, mobile liquid with a mild mercaptan odor.	Mol. Wt. (av.) ..... 207.9 Mercaptan sulfur content ..... 14.6% F. P. ..... —7°C Dist. R., 95% @ 5 mm. ..... 108° to 148°C Sp. Gr., 15.5°/15.5°C ..... 0.849 Flash Point ..... 128°C Fire Point ..... 139°C	Polymerization modifier in manufacture of synthetic rubber; chemical intermediate. 13-gal. carboys ..... 90 lbs. net 55-gal. steel drums ..... 375 lbs. net Tank cars
Lauryl Pyridinium Chloride (dodecyl pyridinium chloride) $C_6H_5NC_{12.4}H_{25.7}$ **(Average)** Cl  Mottled tan, semi-solid material. Packaged as a technical grade. Soluble in water, alcohol, glycols, acetone and other organic solvents. Has excellent wetting and germicidal properties.	Mol. Wt. (av.) ..... 292.0 Flash Point ..... 165°C Fire Point ..... 175°C Alkyl pyridinium chloride content (av. based on C_{12}) 90%	Cationic detergent; dispersing and wetting agent to keep spinnerettes clean in manufacture of viscose rayon; ingredient of fungicidal and bactericidal preparations. Polyethylene-lined fiber drums ..... 100 and 375 lbs. net
Methylchloromethyl Ether $ClCH_2OCH_3$ Colorless to pale yellow liquid. Decomposes in water and in hot alcohol. Soluble in cold concentrated HCl and in ether.	Mol. Wt. ..... 80.5 Sp. Gr., 15.5°/15.5°C ..... 1.0803 R. I., n20/D ..... 1.3973 Flash Point (Cleve. open cup) ..... 18°F	A very reactive chemical intermediate which can be used to produce a variety of end products among which are ion exchange resins. 55-gal. nickel drums ..... approx. 575 lbs. net
Methyl Dichlorostearate $C_{17}H_{33}Cl_2COOCH_3$ **(approx.)** Light yellow, oily liquid with a slight fatty odor. Manufactured from commercial stearic acid and thus contains some palmitate. Completely miscible with most organic solvents.	Mol. Wt. (approx.) ..... 367 F. R. ..... 7° to —5°C B. P. ..... decomp. @ 250°C Sp. Gr., 15.5°/15.5°C ..... 0.997 R. I., n25/D ..... 1.4599 Flash Point ..... 181°C Fire Point ..... 210°C	Chemical intermediate. Suggested as a plasticizer extender for coating materials where high temperature stability is not essential. Compatible with a variety of resins and plastic materials. 55-gal. lacquer-lined steel drums ..... 440 lbs. net

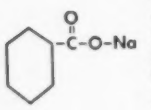
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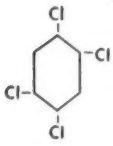
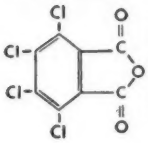
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Monochlorobenzene (phenyl chloride) C_6H_5Cl  Clear, colorless, moderately volatile liquid, with a characteristic mild odor. It is free of material less volatile than itself, and after drying will distill within 1°C. It is typically 99.5 molecular percent pure, as determined by cryoscopic methods.	Mol. Wt. ..... 112.5 F. P. ..... —44°C Flash Point ..... 29°C Dist. R. ..... 1° incl. 132.0°C Sp. Gr., 15.5°/15.5°C ..... 1.113 R. I., n20/D 1.524	Intermediate in manufacture of insecticides, dyestuffs, drugs, perfumes, and other organic chemicals; solvent for paints, varnishes, lacquers; general organic solvent; heat transfer medium for condensing vapor systems. 55-gal. steel drums ..... 500 lbs. net Tank cars
Monochlorotoluene, Tech. (methylchlorobenzene) $CH_3C_6H_4Cl$  Clear, colorless to straw-colored liquid with an odor resembling chlorobenzene. It is a mixture of isomers; approximately 60% *ortho-* and 40% *para-*. Completely miscible with most organic solvents; immiscible with water.	Mol. Wt. ..... 126.5 F. P. ..... below —45°C Fire Point ..... 86°C Dist. R. (100%) ..... 158° to 165°C Sp. Gr., 15.5°/15.5°C ..... 1.080 R. I., n20/D ..... 1.522 Flash Point ..... 50° to 54°C	Chemical intermediate in manufacture of rubber accelerators and other organic chemicals; solvent for rubber and synthetic resins. 55-gal. steel drums ..... 450 lbs. net Tank cars
Muriatic Acid (hydrochloric acid) **HCl in water solution** Commercial grade, light yellow; Hooker White grade, colorless. Both grades are clear solutions entirely free of arsenic and almost entirely free of sulfates. Shipped in three strengths: 18°, 20°, and 22° Baumé.	Mol. Wt. ..... 36.5 Sp. Gr., 15.5°/15.5°C ..... 18° Bé 1.1417 Sp. Gr., 15.5°/15.5°C ..... 20° Bé 1.1600 Sp. Gr., 15.5°/15.5°C ..... 22° Bé 1.1789	In manufacture of dyestuffs; refining ores; pickling and cleaning metals; manufacture of foodstuffs and pharmaceuticals; in textile dyeing and finishing; in manufacture of chemicals generally. Rubber-lined tank cars
***meta*-Nitrobenzoyl Chloride** $NO_2C_6H_4COCl$  Yellow to brown liquid, partially crystallized. A mixture of isomers, mostly meta-. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 185.5 L. C. P. (av.) ..... 31.6°C Dist. R. at 19 to 20 mm. 157° to 167°C	In manufacture of dyestuffs for fabrics and color photography; intermediate in preparation of pharmaceuticals. 5-gal. terne plate or lead-dipped pails ..... 50 lbs. net
***para*-Nitrobenzoyl Chloride** $NO_2C_6H_4COCl$  Yellow, crystalline material with characteristic odor; packaged in flake form. Soluble in ether; reacts with water and alcohol.	Mol. Wt. ..... 185.5 F. P. ..... 72°C *p*-Nitrobenzoyl Chloride ..... 99% Dist. R. @ 105 mm ..... 202° to 205°C	In manufacture of dyestuffs; procaine hydrochloride. 5-gal. wide mouth carboys ..... 33 lbs. net 55-gal. lacquer-lined, removable head drums..... 300 lbs. net
Oxalic Acid $H_2C_2O_4 \cdot 2H_2O$ Pure white crystals moderately soluble in cold water, very soluble in hot water. A mild dibasic acid. Supplied in two particle sizes.	Mol. Wt. ..... 126.07 Min. Assay ..... 99.8% M. P. ..... 101.5°C B. P. ..... sublimes at 100°C Sp. Gr., 20°/4°C 1.653	In organic synthesis; for dyes and dyeing; for bleaching. In general, a mild acidifying agent. In radiator cleaning; leather processing; as a rust stain remover; in cleaning railroad cars; for control of shading in textile dyeing. In preparation of organic and inorganic oxalates. Precipitating agent for rare earth salts; catalyst in organic reactions. Leverpak drums ..... 100, 300 and 400 lbs. net Bags ..... 100 lbs. net

HOOKER CHEMICAL CORPORATION

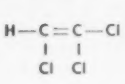
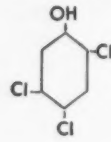
PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Phenol, U.S.P. C_6H_5OH  Colorless crystalline mass. U.S.P. grade. By ICC Freight Classification it is a Class B poison.	Mol. Wt. ..... 94.11 F. P. ..... 40.6°C B. P. ..... 181.75°C Density, Solid at 25°C ..... 1.071 Density, Liquid at 50°C 8.76	Phenol is used in making phenolic resins and molding compounds, as a selective solvent in petroleum refining, as a chemical intermediate, and as a preservative and disinfectant. In dilute solutions phenol is known as carbolic acid. 55-gal. galvanized-lined drums ..... 450 lbs. net Tank cars
Phosphoric Anhydride (phosphorus pentoxide) P_2O_5 (P_4O_{10}) White, fluffy, free-flowing powder; deliquescent.	Mol. Wt. (P_4O_{10}) ..... 283.92 M. P. ..... 563°C B. P. ..... Sublimes at 250°C Sp. Gr. 2.38	In manufacture of phosphorus compounds, organic phosphates; as a catalyst; condensing agent; dehydrating agent; in organic synthesis. Wood cases containing ten 6-lb. tins ..... 60 lbs. net Steel drums ..... 60 and 425 lbs. net
Phosphorous Acid H_3PO_3 Available as water-white aqueous solution, 70%; flake, 97%. Medium-strong slow-acting reducing agent; medium-strength acid.	Mol. Wt. ..... 82.00 *70% Solution* M. P. ..... Saturated at —20°C Completely solid at —50°C B.P. 760 mm ..... 125°C Sp. Gr., 20°C ..... 1.422 *97% Flake* M. P. ..... 74°C B. P. ..... Decomposes at 200°C Sp. Gr., 21.2°C 1.651	Reducing agent: in preparation of phosphite salts. *Solution:* Glass carboys 5-gal. ..... 50 lbs. net 13-gal. ..... 150 lbs. net *Flake:* Lined leverpak drums ..... 100 and 300 lbs. net
Phosphorus, Yellow P_4 Pale yellow solid, technical grade. In sticks approx. 9/16" in diameter and 10⅛" long. Ignites spontaneously in air.	At. Wt. ..... 30.98 Assay (P_4) ..... 99.9% M. P. ..... 44.1°C B. P. ..... 279.7°C Sp. Gr., 20°C 1.82	In production of metal alloys, munitions, pyrotechnics, flares, smokes, rodent poisons; in preparation of phosphate salts; in organic synthesis, etc. Wood cases of ten 11-lb. tins ..... 110 lbs. net
Phosphorus, Red (Amorphous) P_x Odorless dark red powder.	At. Wt. ..... 30.98 Assay (phosphorus) ..... 99.3% Min. Particle Size ..... 99% through 100 mesh M.P. ..... 590°C at 43 atmospheres Flash Point ..... 200°C Sp. Gr., 20°C 2.20	In production of matches, flares, pyrotechnics; in organic synthesis. Steel drums ..... 100 lbs. net Wood cases of ten 11-lb. tins ..... 110 lbs. net
Phosphorus Oxychloride $POCl_3$ Water-white fuming liquid; assay: 99.5% $POCl_3$ Min.	Mol. Wt. ..... 153.35 M. P. ..... 1.22°C B. P., 760 mm ..... 107.2°C Sp. Gr., 20°C ..... 1.675 Dist. R. (typical) ..... 98.5% between 106° and 107.2°C	In organic phosphates, plasticizers, gasoline additives; chlorinating agent; catalyst in production of dyestuffs, medicines, intermediates, etc. 16-gal. returnable nickel drums ..... 200 lbs. net 55-gal. returnable nickel drums ..... 700 lbs. net 4,000-gal. tank cars ..... Approx. 50,000 lbs. net 6,000-gal. tank cars ..... Approx. 80,000 lbs. net
Phosphorus Pentachloride PCl_5 Light lemon-yellow crystalline powder. Sublimes at about 160°C. More reactive than PCl_3.	Mol. Wt. ..... 208.27 M. P. ..... 148°C under pressure Sp. Gr. 1.6	Chlorinating agent and catalyst; organic synthesis. Lined steel drums ..... 25 and 100 lbs. net
Phosphorus Pentasulfide P_2S_5 (P_4S_{10}) Gray-yellow powder in three particle-sizes; or fused solid. Distilled and undistilled.	Mol. Wt. ..... 444.52 F. P. ..... 275°C B. P., 760 mm ..... 513° to 516°C Sp. Gr., 17°C ..... 2.03 Particle Size *(Powder)*: 20-Mesh: 86% min. through 20 mesh 2-Mesh: 30% max. through 10 mesh 6-Mesh: 98% min. through 6 mesh; 50% max. through 40 mesh	In synthesis of thioesters of phosphoric acid; other organic syntheses. In manufacture of lubricant additives; insecticides; in ore flotation, etc. *Powder:* Leverpak drums ..... 150 lbs. net Tote bins ..... 3,000 lbs. min. 5,000 lbs. max. *Solid:* Steel drums ..... 215 lbs. net

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Phosphorus Sesquisulfide P_4S_3 Lemon-yellow powder. Particle size: 80% min. through 100 mesh; 90% min. through 80 mesh.	Mol. Wt. ..... 220.10 Free Phosphorus ..... None M. P. ..... 170.0° to 172.5°C B. P. ..... 408°C Sp. Gr., 17°C 2.03	In manufacture of matches, pyrotechnics. Steel drums ..... 100 lbs. net
Phosphorus Trichloride PCl_3 Water-white fuming liquid. Assay: 99.5% PCl_3 Min.	Mol. Wt. ..... 137.35 M. P. ..... —111.8°C B. P., 760 mm ..... 76°C Dist. R. (typical) ..... 97% between 74.8° and 76.5°C Sp. Gr., 20°/4°C 1.575	Chlorinating agent, particularly for organic acids, chlorination catalyst; condensing agent; in preparation of phosphite esters and phosphonate esters; in other organic syntheses. 16-gal. returnable nickel drums ..... 200 lbs. net 55-gal. returnable nickel drums ..... 650 lbs. net 55-gal. steel drums ..... 650 lbs. net 4,000-gal. tank cars ..... Approx. 50,000 lbs. net 6,000-gal. tank cars ..... Approx. 80,000 lbs. net
Piperidine (hexahydropyridine) $C_5H_{11}N$  Clear, colorless liquid possessing a characteristic amine odor. Completely miscible in water, alcohol and ether.	Mol. Wt. ..... 85.1 L. C. P. ..... —13°C Dist. R. (95%) ..... 104° to 109°C Sp. Gr., 15.5°/15.5°C ..... 0.860 Flash Point ..... 16°C Piperidine 97%	In organic synthesis in preparation of acyl and alkyl derivatives, condensations with chlorohydrins, dimethylamine and formaldehyde; in manufacture of quaternary ammonium salts, salts of fatty acids, etc.; used as a rubber accelerator and anti-ager; curing agent for epoxy resins. 55-gal. steel drums ..... 400 lbs. net
Plasticizer, MPS®-500 MPS-500, a viscous, light yellow liquid, is a stabilized chlorinated ester of a fatty acid. The chlorine content is controlled to give an optimum balance between compatibility and plasticizing efficiency. Soluble in chlorinated hydrocarbons, aromatics, aliphatics, alcohols, esters, ketones. Insoluble in water.	Mol. Wt. (av.) ..... 448 Chlorine content ..... 36.6% Pour Point ..... —18°C Flash Point (open cup) ..... 164°C Visc. at 100°F ..... 215 centistokes at 210°F ..... 12 centistokes Vapor Press. at 120°C ..... 0.015 mm Hg Sp. Gr., 25°/15.5°C ..... 1.19 Density ..... 74 lbs./ft.^{3}	MPS-500 is recommended as a low-cost plasticizer for polyvinyl chloride formulations such as films, both transparent and opaque; upholstery and drapery; electrical insulation; garden hose covering; shoe soles; organisol and plastisol formulations. MPS-500 is completely compatible with polyvinyl chloride in amounts up to sixty parts per hundred. Bulletin No. 35 gives more complete information on compatibility, properties, formulations. 55-gal. lacquer-lined steel drums ..... 500 lbs. net Tank cars
Potassium Chlorate $KClO_3$ Small white crystals or powder, in two grades — Technical and N.F. When heated, the salt decomposes into O_2, KCl and $KClO_4$. Some metal oxides accelerate the decomposition. Slightly soluble in water.	Mol. Wt. ..... 122.56 M. P. ..... 368°C B. P. ..... Decomposes exothermally at about 400°C Sp. Gr. 2.32	Oxidizing agent; in manufacture of matches, pyrotechnics, etc. *Crystal:* Paper bag-lined steel drums ..... 325 lbs. net *Powder:* Paper bag-lined steel drums ..... 224 lbs. net Polyethylene liners also available.
Potassium Hypophosphite KH_2PO_2 N.F. Grade: white crystalline powder, very soluble in water. Decomposes when heated strongly.	Mol. Wt. ..... 104.09 M. P. ..... Melts, decomposes and ignites at 240°C Sp. Gr. 1.42	In medicinals. Fiberpak drums ..... 25 and 50 lbs. net

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Potassium Perchlorate $KClO_4$ White powder, almost insoluble in cold water. Less reactive than sodium chlorate or potassium chlorate. When heated, it does not melt but decomposes into O_2 and KCl.	Mol. Wt. ..... 138.55 M. P. ..... Decomposes at about 400°C Sp. Gr., 11°C 2.524	Oxidizing agent; in pyrotechnics. Steel drums ..... 100 lbs. net
Sodium Benzoate, U.S.P. and Tech. (benzoate of soda) C_6H_5COONa  White, odorless, crystalline solid, sold in flake or powdered form. Available in either U.S.P. or technical grades. Readily soluble in water, slightly soluble in alcohol.	Mol. Wt. ..... 144.1 *U.S.P. Grade* Sodium Benzoate ..... 99+% Benzoic Acid ..... 0.2% Max. Water ..... 0.5% Max. *Technical Grade* Sodium Benzoate ..... 98% Min. Benzoic Acid ..... 0.4% Max.	Preservative for foods such as fruit juices and syrups, margarine, and as an antiseptic in pharmaceutical and cosmetic preparations, in tooth pastes and powders and in the curing of tobacco. Sodium Benzoate has been recommended as a corrosion-resistant additive for anti-freeze solutions of the glycol type. It has also been recommended as a corrosion-resistant agent in wrapping of various types for protection of metals during storage. Chemical intermediate in manufacture of dyestuffs and pharmaceuticals. Polyethylene-lined fiber drums ..... 100 lbs. net
Sodium Chlorate $NaClO_3$ Small white crystals or powder, in technical and agricultural grades. Strong oxidizing agent; very soluble in water. When heated much above the melting point, especially in presence of certain metallic oxides, the salt decomposes into O_2, NaCl, and $NaClO_4$.	Mol. Wt. ..... 106.45 M. P. ..... 248°C B. P. ..... Begins to decompose at 300°C Sp. Gr., 15°C 2.49	Oxidizing agent in metallurgy, dyestuff manufacture, etc.; herbicide and soil sterilant; cotton defoliant; in production of chlorine dioxide for pulp bleaching. Steel drums ..... 100 and 450 lbs. net Tank cars, in bulk ..... 40,000 lbs. min. 100,000 lbs. max.
Sodium Hypophosphite $NaH_2PO_2 \cdot H_2O$ White granular crystals in two grades, N.F. and commercial. Very soluble in water. Decomposes when strongly heated.	Mol. Wt. ..... 106.0 Assay: N.F. Grade ($NaH_2PO_2 \cdot H_2O$) ..... 98% Min. Commercial Grade (NaH_2PO_2) ..... 84% Min. (Equivalent to 101% $NaH_2PO_2 \cdot H_2O$) M. P. ..... Loses water of hydration at 105°C B.P. ..... Decomposes on melting Sp. Gr. 1.36	Reducing agent: medicinals; electroless nickel plating, etc. N.F. Grade: Fiber drums ..... 25 and 50 lbs. net Commercial Grade: Fiber drums ..... 100 and 325 lbs. net
Sodium Sulfhydrate (sodium hydrosulfide) NaSH Light lemon-colored solid in flake form. Completely and rapidly soluble in water, alcohol and ether. Also available in liquid form.	Mol. Wt. ..... 56.1 M. P. ..... 55°C *Analysis (flake only)* NaSH ..... 70 to 72% Na_2S ..... 2.5% Max. NaCl ..... 0.8% Max. Na_2SO_3, $NaHCO_3$ ..... 0.4% Max. Fe ..... 5 ppm Max. Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max. Water of crystallization ..... 28 to 26%	Unhairing hides; desulfurizing viscose rayon; in preparation of dyestuffs and other organics such as thioamides, thiourea, thioglycolic acid, thio- and dithio-benzoic acids, sodium thiosulfate. Reagent in ore flotation. *Flake:* Lacquer-lined steel drums ..... 90 and 400 lbs. net *Liquid:* Tank cars.
Sodium Sulfide Na_2S Light buff-colored solid. Packaged in flake or solid form. Rapidly soluble in water; slightly soluble in alcohol; insoluble in ether.	Mol. Wt. ..... 78.1 M. P. ..... 100°C *Analysis* Na_2S ..... 60 to 62% NaCl ..... 1.5% Max. Other Na Salts ..... 2.0% Max. Fe ..... 8 ppm Max. Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max. Water of crystallization ..... 35% Min.	In unhairing hides and wool pulling; desulfurizing viscose rayon; in manufacture of dyestuffs, chemical intermediates, paper pulp, special glass, soap and rubber; as an ingredient of dye liquor for textile dyeing; in cotton printing, boiling out linen; ore flotation, metal refining. *Flake:* Lacquer-lined steel drums ..... 90 and 400 lbs. net *Solid:* Steel drums ..... 625 lbs. net

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Sodium Tetrasulfide Solution Na_2S_4 Clear, dark red, aqueous solution containing 40% by weight of Na_2S_4. The solution contains less than 1% by weight of $Na_2S_2O_3$, Na_2CO_3 and Na_2SO_3 inclusive.	Mol. Wt. ..... 174.2 F. R. ..... 3.5° to —17°C Dist. R. ..... 115° to 120°C Sp. Gr., 15.5°/15.5°C ..... 1.335 R. I., n20/D ..... 1.5210 Flash and Fire Points ..... None	Soaking hides and skins prior to unhairing for the purpose of softening the major portion of coagulable proteins, resulting in more uniform soaking and better unhairing. Reducing agent for nitro bodies; ore flotation reagent; used in preparation of sulfur dyes and of metal sulfide finishes. 55-gal. steel drums ..... 600 lbs. net
Sulfur Dichloride SCl_2 Brownish-red liquid with a pungent chlorine-like odor. Fumes readily in moist air. Vapors are irritating to eyes, nose and throat. Reacts with water, ether and alcohol; soluble in benzene and carbon tetrachloride.	Mol. Wt. ..... 103.0 Pour Pt. ..... below —78°C B. P. ..... decomp. above 40°C Cl_2 content ..... 66% Sp. Gr., 15.5°/15.5°C ..... 1.638 R. I., n20/D ..... 1.567 Flash and Fire Points ..... None	As a chlorinating agent where use of elemental chlorine is not feasible; in chloridizing certain metallic ores; reagent in preparation of organic anhydrides, drying oils, rubber substitutes; reagent for hardening ink, paint, varnish. 55-gal. steel drums ..... 700 lbs. net Tank cars
Sulfur Monochloride S_2Cl_2 Yellow to reddish, heavy liquid with pungent odor. Fumes readily in moist air. Vapors are irritating to eyes, nose and throat. Reacts with water and alcohol; soluble in ether.	Mol. Wt. ..... 135.0 Pour Pt. ..... below —80°C B. P. ..... 138°C Cl_2 content ..... 52-52.5% Sp. Gr., 15.5°/15.5°C ..... 1.6885 R. I., n20/D ..... 1.670 Flash Point ..... 130°C	As an intermediate and chlorinating agent in manufacture of organic chemicals, sulfur dyes, rubber substitutes; agent for cold vulcanization of rubber products; polymerization catalyst for increasing viscosity of vegetable oils. 55-gal. steel drums ..... 700 lbs. net Tank cars
Sulfuryl Chloride (sulfuric oxychloride) SO_2Cl_2  Light yellow, heavy liquid with extremely pungent odor. Reacts with water; soluble in acetic acid and benzene.	Mol. Wt. ..... 135.0 SO_2Cl_2 content ..... 99+% Pour Pt. ..... below —54°C Dist. R. ..... 2° incl. 69.5°C Sp. Gr., 15.5°/15.5°C ..... 1.680 R. I., n20/D 1.443	Special chlorinating agent for chlorophenol and other organic chlorides; reacts with sodium salts of organic acids to form chlorides and anhydrides. 5-gal. glass stoppered carboys ..... 65 lbs. net 13-gal. glass stoppered carboys ..... 175 lbs. net 55-gal. steel or nickel drums ..... 725 lbs. net
1, 2, 4, 5-Tetrachlorobenzene $C_6H_2Cl_4$  White crystalline solid with almost no odor. Packaged in flake form. Insoluble in water; soluble in many organic solvents.	Mol. Wt. ..... 215.9 Chlorine content ..... 65.7% M. R. ..... 137° to 140°C Dist. R. ..... 240° to 246°C	Intermediate in manufacture of 2,4,5-trichlorophenol and 2,4,5-trichlorophenoxy acetic acid, and other organics such as azo dyes. Suggested as impregnant for fire and moisture resistance in electrical and other insulating compounds. Fiber drums ..... 200 lbs. net
Tetrachlorophthalic Anhydride (Niagathal®)  A white, odorless, free flowing and non-hygroscopic powder, it is slightly soluble in water, about 1.8 parts at 90°C forming the corresponding dibasic acid.	Mol. Wt. ..... 285.9 Assay ..... greater than 99.5% Chlorine content ..... 49.6% M. R. ..... 254° to 255°C B. P. ..... 371°C	Intermediate or compounding material in the manufacture of dyes, pharmaceuticals, fungicides, esters, plasticizers, synthetic resins and coatings, synthetic rubbers and insulating materials, lubricants. Fiberpak containers ..... 5 and 10 lbs. net Fiber drums ..... 60 and 120 lbs. net Wood barrels ..... 400 lbs. net

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PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Thionyl Chloride (sulfurous oxychloride) $SOCl_2$  Clear, pale yellow to red liquid with sharp irritating odor. Reacts readily with moist air, water. Technical or refined grades.	Mol. Wt. ..... 119.0 Typical Analysis: Technical ..... 93% $SOCl_2$ Refined ..... 97.5% $SOCl_2$ Pour Pt. ..... below —75°C Sp. Gr., 15.5°/15.5°C ..... 1.640 R. I., n20/D ..... 1.517 Flash Point and Fire Point ..... None	In organic synthesis to replace various groups with chlorine, especially in preparation of organic acid chlorides. It may be used to introduce sulfur alone or in combination with oxygen. 5-gal. glass stoppered carboys ..... 65 lbs. net 13-gal. glass stoppered carboys ..... 175 lbs. net 55-gal. steel or nickel drums* ..... 725 lbs. net **Note: Refined grade only shipped in carboys or nickel drums.*
Trichlorethylene (Nialk® brand) $CHClCCl_2$  Clear, colorless, relatively non-flammable liquid with characteristic odor. Available in several grades including metal degreasing, technical and special grades.	Mol. Wt. ..... 131.4 F. P. ..... —86.4°C B. P. ..... 86.9°C Sp. Gr., 15°/4°C ..... 1.469 For more detail and information on uses and handling, refer to booklet "Nialk® Trichlorethylene."	Widely used in metal degreasing and cleaning in preparation for assembly, inspection or further processing. Other uses include solvent extraction of vegetable or animal oils, waxes and fats; freezing point depressant for carbon tetrachloride fire extinguishers; solvent carrier for rust prevention; general solvent; heat transfer medium; organic intermediate. In textiles, for degreasing wool and for dewaxing cotton goods prior to bleaching. 55-gal. steel drums ..... 660 lbs. net Tank wagons and tank cars
Trichlorophenol $C_6H_2Cl_3OH$  Pale pinkish-white to light tan crystals or flakes.	Mol. Wt. ..... 197.46 F. P. ..... 63.5°C Min. Assay ..... 98% Min. Insoluble (in NaOH) ..... 0.1% Max. Water ..... 0.2% Max.	Active ingredient used in manufacture of bacteriacides, insecticides and fungicides and an intermediate in chemicals and dyes. Also as an addition agent in paints and varnishes and as an inhibitor in leather storage. Fiber drums ..... 200 lbs. net
Trichlorobenzene, Tech. $C_6H_3Cl_3$ Clear, almost colorless mobile liquid having a characteristic chlorobenzene odor. It is a mixture of 1, 2, 4- and 1, 2, 3-trichlorobenzenes, the 1, 2, 4- predominating. Completely miscible with most organic solvents; practically immiscible with water.	Mol. Wt. ..... 181.5 F. P. ..... 0° to 5°C Dist. R. ..... 5° incl. 216°C Sp. Gr., 15.5°/15.5°C ..... 1.466 R. I., n20/D ..... 1.570 Flash Point (Cleve. open cup) ..... None Fire Point (Cleve. open cup) ..... None to boiling point	As insecticide, particularly effective as soil poison in termite eradication; solvent for fats, oils, waxes, resins; heat transfer medium, adaptable to condensing vapor systems for a range of 210°C to about 300°C; in chemical synthesis for manufacture of dye intermediates, other organics. 55-gal. steel drums ..... 650 lbs. net Tank cars
Zinc Phosphide Zn_3P_2 Fine, grey-black, dense powder. Reacts with acids and (more slowly) with water to produce phosphine gas.	Mol. Wt. ..... 258.10 M. P. ..... Above 420°C B. P. ..... 1100°C Sp. Gr., 13°/4°C 4.55	In rodenticides; source of phosphine gas. Steel drums ..... 100 lbs. net

For complete technical data, samples, and other information, write, wire, or phone

NEW YORK 17, N. Y., 60 East 42nd St., MUrray Hill 2-2500
CHICAGO 2, ILL., 1 North LaSalle St., CEntral 6-1311
LOS ANGELES 5, CALIF., 3350 Wilshire Blvd., DUnkirk 5-4404
NIAGARA FALLS, N. Y., 1200 Forty-seventh St., BUtler 5-6655
TACOMA 1, WASH., P.O. Box 1646, FUlton 3-2661
PHILADELPHIA 3, PA., 6 Penn Center Plaza, LOcust 7-2180
WORCESTER 1, MASS., 265 Grafton St., PLeasant 2-1597
DETROIT 2, MICH., 503 Stephenson Bldg., TRinity 3-3133

PLANTS: Niagara Falls, N. Y.; Tacoma, Wash.; Montague, Mich.; Columbus, Miss.; Columbia, Tenn.; Dallas, Texas; Jeffersonville, Ind.; Adams, Mass.
In Canada: Hooker Chemicals Limited, North Vancouver, B. C.

STOCK POINTS: Chicago, Ill.; Los Angeles, Calif.; Jersey City, N. J.; Philadelphia, Pa.; Weehawken, N. J.

HOOKER CHEMICAL CORPORATION

1200 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.

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HOOKER CHEMICAL CORPORATION

PHOSPHORUS DIVISION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Disodium Phosphate Na_2HPO_4 White, free-flowing, anhydrous, granular material.	Mol. Wt. ..... 142 Assay Na_2HPO_4 ..... 99.0%	In the manufacture of bulk soaps and detergents; as an emulsifying agent in the manufacture of processed cheese. Also widely used in: boiler water treatment; leather production; meat curing; textile applications; dye making. Paper bags ..... 100 lbs. net Rail cars ..... 20 ton or 40 ton
Ferrophosphorus **24%-26% Phosphorus** **High Phosphorus Iron** **20%-23% Phosphorus** **(export only)**	Typical Analysis / Ferrophosphorus % / High Phosphorus Iron % P 24.0 22.18 Si 1.5 4.60 Fe 68.8 67.30 Mn 2.0 2.0 S 0.001 0.001 Cr 0.06 0.06 C 0.060 0.060	In steel making to increase fluidity during casting and to improve drawing qualities for wire; to prevent sticking of sheet steel during rolling. Ferrophosphorus shipped in carlot minimums Domestic shipments — 25 long tons; Export shipments — 20 long tons; Barrels and drums ..... 1220 lbs. net Bulk in rail cars High Phosphorus Iron, export only, minimum 20 long tons
Phosphoric Acids H_3PO_4 **Food Grade (75% and 80%)** **N. F. Grade (85%)** Odorless, water-white, sparkling clear liquids with no turbidity.	Mol. Wt. ..... 98.04 Assay P_2O_5 (85%) ..... 61.8% (80%) ..... 58.0% (75%) 54.4%	Widely used in food processing, in the preparation of carbonated beverages, sugar refining, molasses processing, yeast manufacture, cream testing; in the manufacture of antibiotics and pharmaceuticals; gelatines; glues and adhesives. Also used in metal treating rustproofing, making commercial metal cleaners; boiler water treatment; roofing materials, etc. Tank cars ..... 8,000 gal. Tank trucks ..... 3,000 gal.
Sodium Hexametaphosphate Amorphous glass of composition equivalent to $Na_{16}P_{14}O_{43}$ White, free-flowing product available in two forms, granular and powder.	Assay P_2O_5 ..... 67%	In the preparation of dishwashing and detergent compounds, boiler compounds; for industrial and municipal water treatment to prevent scale formation; for conditioning oil drilling muds; in the manufacture and processing of paper, textiles, china clay, etc. Polyethylene lined, paper bags ..... 100 lbs. net
Sodium Tripolyphosphate, Anhydrous $Na_5P_3O_{10}$ White, free-flowing product available in three forms, spray-dried granular, regular granular, and powder.	Mol. Wt. ..... 367.93 Assay $Na_5P_3O_{10}$ 98.0%	Major use as a builder in solid synthetic detergents and specialty cleaning compounds. Also for: boiler water treatment; conditioning oil well drilling muds; in the manufacture of cement, paper, textiles, china clay, etc. Paper bags ..... 100 lbs. net Rail cars ..... 20 ton or 40 ton Bulk in hopper cars
Tetrasodium Pyrophosphate, Anhydrous $Na_4P_2O_7$ White, free-flowing product available in two forms, spray-dried granular and powder.	Mol. Wt. ..... 265.95 Assay $Na_4P_2O_7$ 99.5%	Principally as a builder in synthetic detergents, soaps, and soap specialty products. Also widely used in many industrial applications in glass manufacture; textile processing; paper production, oil drilling, clay processing, boiler water treatment, etc. Paper bags ..... 100 lbs. net Rail cars ..... 20 ton or 40 ton Bulk in hopper cars

HOOKER CHEMICAL CORPORATION

PHOSPHORUS DIVISION

PRODUCT	PHYSICAL DATA	USES AND SHIPPING CONTAINERS
Trisodium Phosphate $Na_3PO_4 \cdot 12H_2O$ White, crystalline, free-flowing material.	Mol. Wt. ..... 380 Assay Total P_2O_5 ..... 18.6%	Primarily used in the manufacture of cleaners, soaps and detergents, and in cleaning metal and preparing for tin plating. Also used widely in textile processing, water treatment, and synthetic rubber production. Paper bags ..... 100 lbs. net Rail cars ..... 20 ton or 40 ton Bulk in hopper cars
AGRICULTURAL PRODUCTS		
Dicalcium Phosphate, Feed Grade $CaHPO_4$ Gray, free-flowing granular material.	Phosphorus ..... 18.5% Calcium 25%	Mineral supplement supplying Calcium and Phosphorus in readily available forms for animal and poultry feeds. Multiwall paper bags ..... 100 lbs. net Truckloads, rail cars, minimum ..... 40 ton Bulk in box or hopper cars
Phosphate Feed Solution Water-white, odorless liquid.	Phosphorus 23.7%	Feed supplement supplying readily available phosphorus for animal and poultry feeds. Tank cars ..... 8,000 gal. Tank trucks (tariff minimum truckloads)
Phosphatic Fertilizer Solution, 75%-80% H_3PO_4 Clear, odorless, water-white liquid.	Assay P_2O_5 ..... 54.4%-58.8%	In the manufacture of liquid fertilizer formulations and also for direct application. Also used to formulate enriched super-phosphate dry formulations. Tank cars ..... 8,000 gal. Tank trucks ..... 3,000 gal.

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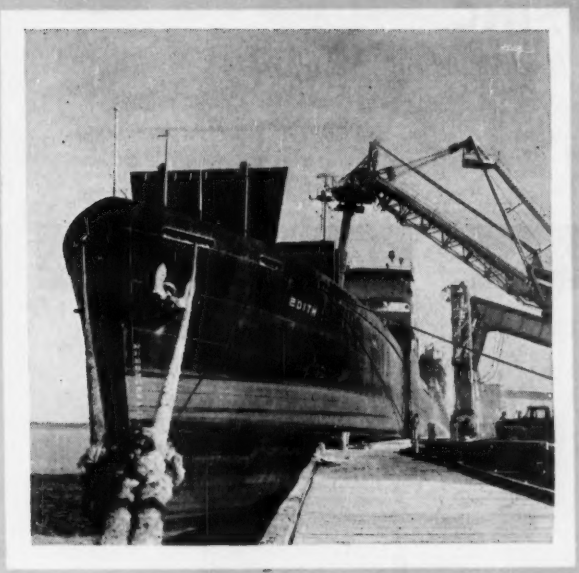
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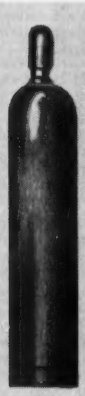
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Product and Formula	Uses
*BARBITURIC ACID $CH_2CONHCONHCO$	Intermediates for organic and pharmaceutical synthesis.
*BENZOPHENONE $C_6H_5COC_6H_5$	Organic and pharmaceutical synthesis; (5,5-diphenylhydantoin). Halogenation products are used as insulating or cooling mediums for electrical apparatus. Semi-carbazone has been noted as an insecticide.
*CYANOACETAMIDE $CNCH_2CONH_2$	Organic and pharmaceutical synthesis. Intermediate for: vitamins B_1 and B_6; pantothenic acid; subst. pyridones; subst. coumarins; barbiturates; and certain special resins.
*CYANOACETIC ACID $CNCH_2COOH$	Organic and pharmaceutical synthesis; barbiturates; pantothenic, acid; certain polymethine dyes; special resins; barbiturates; pantothenic, acid; cyanoacetyl urea and other photographic chemicals and coloring agents; malonic acid der.; certain pyrazolones; cyanoacetyl chloride; etc.
*METHYL CYANOACETATE $CNCH_2COOCH_3$ *ETHYL CYANOACETATE $CNCH_2COOC_2H_5$	Organic and pharmaceutical synthesis. Intermediates for: special cellulose plasticizer; special resins; malonic derivatives; barbiturates; antimalarials (via ethoxy-subst. methylene cyanoacetate); folic acid; uric acid and derivatives; photographic chemicals (cyanoacetyl urea der. and pyrazolones); 2-thiouracils; amino acids; certain dyes.
*DICHLOROACETIC ACID $Cl_2CHCOOH$	Organic and pharmaceutical synthesis. Suggested intermediate for drugs, dyes, insecticides, etc.
*METHYL DICHLOROACETATE $Cl_2CHCOOCH_3$ ETHYL DICHLOROACETATE $Cl_2CHCOOC_2H_5$	The two chlorine atoms easily replaced by variety of organic groups. Organic and pharmaceutical synthesis.
*DIETHYL MALONATE $CH_2(COOC_2H_5)_2$ *DIMETHYL MALONATE $CH_2(COOCH_3)_2$	Organic and pharmaceutical synthesis. A very active methylene group is present. Intermediate for barbiturates, anti-malarials and other drugs.
*DIETHYL ETHOXYMETHYLENE MALONATE $C_2H_5OCH{=}C(COOC_2H_5)_2$	Source of the ethoxymethylene group in synthesis. Intermediate for organic chemicals and pharmaceuticals, including anti-malarials.
*DIPHENYLACETIC ACID $(C_6H_5)_2CHCOOH$	Organic and pharmaceutical synthesis. Intermediate in synthesis of morphine substitutes.
*MALONALDEHYDE DIACETAL (see 1,1,3,3-tetraethoxy propane and 1,1,3-trimethoxy-3-ethoxy propane)	
*MALONONITRILE $CH_2(CN)_2$	Organic and pharmaceutical synthesis. Intermediate for Vit. B_1 synthesis, pyrimidines, dyes, etc.
MALONIC ACID $HOOCCH_2COOH$	Classical intermediates for synthesis of many pharmaceuticals dyes, resins, etc.
*METHYL MONOCHLOROACETATE $ClCH_2COOCH_3$ *ETHYL MONO CHLOROACETATE $ClCH_2COOC_2H_5$	General organic and pharmaceutical synthesis. Intermediate for vitamins and other pharmaceuticals.
*O-HYDROXYACETOPHENONE $C_6H_4(OH)COCH_3$	Organic and pharmaceutical synthesis. Intermediate for coumarin derivatives, pharmaceuticals, organic chemicals.
SODIUM BARBITURATE $NaCHCONHCONHCO$	Intermediate for organic and pharmaceutical synthesis.
*SODIUM FORMALDEHYDE BISULFITE $NaSO_3CH_2OH$	Organic and pharmaceutical synthesis. Suggested intermediate for photographic chemicals, dyes, medicinals.
*1,1,3,3-TETRAETHOXY PROPANE $(C_2H_5O)_2CHCH_2CH(OC_2H_5)_2$ *1,1,3-TRIMETHOXY-3-ETHOXY PROPANE $(CH_3O)_2CHCH_2CH(OCH_3)(OC_2H_5)$	Intermediate in synthesis of pyrimidines, pyrazoles, pharmaceutical and general organic synthesis. Cross linking and insolubilizing agent.
*TRIETHYL ORTHOFORMATE $HC(OC_2H_5)_3$ *TRIMETHYL ORTHOFORMATE $HC(OCH_3)_3$	Organic and pharmaceutical synthesis. Intermediate for Vit. B_1; antimalarials; useful polymerization product; polymethine dyes; acetals and photographic chemicals.

***Technical Data Bulletin Available.**

Pilot plant quantities of the following are available on order:

Cyanoacethydrazide—white crystalline solid, m.p. 106-109°C.
Cyclohexene—liquid, b.p. 83°C.
Dichloroacetyl chloride*—colorless liquid, b.p. 105-110°C.
Diphenylacetonitrile—white crystalline solid, m.p. 72-75°C.
b-Ethoxyacrylonitrile—colorless liquid, b.p. 90-91°C. @ 19 mm.
Ethoxymethylene malononitrile—m.p. 65-66°C, b.p. 156-157°C. @ 15 mm.
2-Hydroxy-1-naphthaldehyde—m.p. 81-82°C., b.p. 192°C. @ 27 mm.
p-Hydroxyacetophenone—white crystalline solid, m.p. 109°C.
p-Methoxyphenylacetic acid—m.p. 85-87°C.
Methyl dimethoxy acetate (methyl glyoxylate, dimethyl acetal)—colorless liquid, b.p. 61-64°C. @ 12 mm.
Methyl methoxy acetate—colorless liquid, b.p. 130°C.
Phenyl acetate—colorless liquid, b.p. 195-196°C.
Phthalic acid—colorless crystals, m.p. 201-203°C.
Triethyl orthoacetate—colorless liquid, b.p. 144-148°C.
Triethyl orthopropionate—colorless liquid, b.p. 155-160°C.
3, 4, 5-Trimethoxybenzoic acid—m.p. 170°C.

Research quantities of the following chemicals are available:

3-Carboxy-4-hydroxy-7-chloroquinoline—light tan amorphous powder.
Cytosine—white powder, m.p. 320°C decomposition.
Ethyl ethoxymethylene cyanoacetate—solid, m.p. 51°C.
o-Methoxyphenylacetic acid—m.p. 120-123°C.
Malonodiamide—crystals, m.p. 170-174°C.
Tetraethyl orthocarbonate—b.p. 154-158°C.
1,1,3,3-Tetramethoxypropane—colorless liquid, b.p. 66°C./12 mm.

LITHIUM CORPORATION OF AMERICA, INC.

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PRODUCT	PROPERTIES	APPLICATIONS
n-BUTYLLITHIUM C_4H_9Li 2.5 Molar (22.8 wt.%) solution in n-heptane	**Molecular weight:** 64.06. **Density of solution:** 0.7 gram/cm³. **Color:** Colorless to light yellow. **Organic halides present:** Less than 0.5 wt.%. **Stability:** Stable at room temperature. **Reactivity:** Highly reactive to moisture and air.	Low pressure ethylene polymerization catalyst. Catalyst in stereospecific polymerization of isoprene. Halogen metal interconversion reactions. General synthetic work where attachment of an n-butyl group is desired.
LITHIUM ALUMINATE $LiAlO_2$	**Molecular weight:** 65.9. Li_2O **content:** 22.7%. **Color and form:** white powder. **Density:** 2.55 gm/cm³ at 25°C. **Melting point:** above 1625°C. **Solubility:** insoluble in water.	Flux in highly refractory porcelain enamels.
LITHIUM AMIDE $LiNH_2$ 92% to 95% lithium amide, based on available ammonia determination.	**Molecular weight:** 22.964. **Color and form:** white to gray-white powder. **Density:** 1.178 gm/cm³ at 17.5°C. **Belting point:** 373°-375°C. **Heat and formation:** —43.5 kcal/mole at 25°C. **Solubility:** insoluble in ethyl ether, benzene and toluene. **Decomposes in water:** $LiNH_2+H_2O \rightarrow LiOH+NH_3$. Reaction slow with coarse material, violent with powder.	**Organic Reactions:** Claisen condensations. Alkylation of nitriles and ketones. Synthesis of ethinyl compounds and acetylenic carbinols. Manufacture of antihistamines.
LITHIUM BROMIDE $LiBr$ **Grade:** Technical, 53-55% brine	**Molecular weight:** 86.86. **Color and form:** white, hygroscopic, granular powder. **Density:** 3.46 gm/cm³ at 25°C. **Melting point:** 550°C. **Heat of formation:** —83.72 kcal/mole at 25°C. **Heat of solution:** —11.39 kcal/mole (200 moles H_2O/mole LiBr at 18°C).	**Air conditioning:** LiBr brine is used in absorption type refrigeration systems. LiBr properly adjusted with respect to alkalinity can be used without a corrosion inhibitor.
LITHIUM CARBONATE Li_2CO_3 **Grade:** Technical	**Molecular weight:** 73.89. Li_2O **content:** 40.4%. **Color and form:** white powder. **Density:** 2.111 gm/cm³ at 17.5°C. **Melting point:** 735°C. **Heat of formation:** —290.5 kcal/mole at 25°C. **Solubility:** Slightly soluble in water: 1.3 wt. % @ 20°C., .7 wt. % @ 100°C.	**Ceramics:** Enamels, enamel colors, glass and glazes. **Chemical Manufacturing:** Used as starting material in the manufacture of various lithium salts such as lithium acetate, bromide, citrate, phosphate, titanate, etc. Also used as a catalyst in the esterification of tall oils, and for the decomposition of hydrocarbon oils.

LITHIUM CORPORATION OF AMERICA, INC.

PRODUCT	PROPERTIES	APPLICATIONS
LITHIUM CHLORIDE LiCl **Grade:** Technical, Anhydrous salt and 40% brine	**Molecular weight:** 42.40. **Color and form:** white, hygroscopic, granular powder. **Density:** 2.068 gm/cm³ at 25°C. **Melting point:** 608°C. **Boiling point:** 1382°C. **Specific heat:** 0.288 cal/gm/°C. at 25°C. **Heat of formation:** —97.70 kcal/mole at 25°C. **Heat of solution:** —8.49 kcal/mole at 18°C. (200 moles H_2O/mole LiCl). **Solubility:** Moderately soluble in organic solvents such as alcohols, aldehydes, ketones, esters, pyridine, ethylenediamine, etc. **Solubility in water:** 40.8 wt. % @ 0°C., 45.4 wt. % @ 20°C., 56.3 wt. % @ 100°C.	**Air conditioning:** Inhibited solution used for dehumidification and removal of air-borne bacteria. **Metallurgy:** Flux component for brazing Al, Mg, Zr, Ti and their alloys. Electrolytic preparation of lithium and other metals. Component of salt bath for heat treating. **Dry Cells:** Additive to the electrolyte of dry cells for low temperature use. **Aviation:** Preparation of de-icing solutions for parked aircraft in Arctic areas. Also used to prevent frost formation. **Fire Extinguishers:** As a non-freezing brine. **Atomic Energy:** Removal of fission products.
LITHIUM CHROMATE Li_2CrO_4 **Grade:** Technical	**Molecular weight:** 129.89. **Color and form:** yellow, crystalline, hygroscopic powder. **Density:** 2.426 gm/cm³ at 25°C. **Melting point:** 495°C. Decomposes at 900°C. **Solubility in water:** 47 wt. % Li_2CrO_4 at 0°C., 57 wt. % Li_2CrO_4 at 100°C. Moderate solubility in methanol. Slight solubility in ethanol. Very slight solubility in isopropanol. Insoluble in ethyl ether and carbon tetrachloride.	**Additive:** Corrosion inhibitor in alcohol antifreeze solutions for automobiles. **Air Conditioning:** Unusual vapor pressure characteristics suggest possible use in refrigeration and air conditioning for corrosion control. **Heat Transfer:** Low freezng point of concentrated solutions suggest use as heat transfer medium where wide temperature variations would be encountered. **Heat Treating:** Low melting point of anhydrous salt suggests use in fused salt baths for heat treating and metal finishing or as a corrosion inhibitor in other fused salt baths.
LITHIUM COBALTITE $LiCoO_2$	**Molecular weight:** 97.88. **Li_2O content:** 15.3%. **Color and form:** blue-black powder. **Solubility:** insoluble in water. Stable compound; no oxygen loss when heated in air at 1000°C.	**Ceramics.** Replaces larger amounts of cobalt oxide in ground coat frits. Has application in ground coat enamels and exhibits the fluxing property of Li_2O and the adherence-promoting property of cobalt oxide. Also color stabilizing properties.
LITHIUM FLUORIDE LiF **Grade:** Technical	**Molecular weight:** 25.94. **Color and form:** white powder. **Density:** 2.639 gm/cm³ at 25°C. **Melting point:** 848°C. **Boiling point:** 1681° C. **Specific heat:** 0.386 cal/gm/°C. at 25°C. **Heat of formation:** —146.3 kcal/mole at 25°C. **Solubility in water:** 0.133 wt. % LiF at 25°C.	**Ceramics:** Leadless pottery glazes. Glass. **Porcelain Enamels:** Used as a flux in acid-resistant cover coats. Its comparative insolubility permits its use as a mill addition while its strong fluxing power results in lower firing temperatures. **Welding:** Used as a component of brazing fluxes and welding rod coatings. Its great affinity for aluminum and magnesium oxides, together with its high fluxing power, has made it a required ingredient.
LITHIUM HYDRIDE LiH **Purity:** The LiH assay, based on the hydrogen yield on reaction with H_2O, ranges from 93 to 98% depending on particle size.	**Molecular weight:** 7.948. **Color and form:** gray-white to blue; translucent, crystalline mass; brittle. **Density:** 0.78 gm/cm³ at 20°C. **Decomposition pressure:** nil at 25°C., 0.07-mm. at 500°C., 760mm. at approx. 850°C. **Melting point:** 684°C. **Specific heat:** 1.03 cal/gm/°C. at 20°C. **Heat of formation:** —21.34 kcal/mole at 25°C. **Solubility:** Quite insoluble in inert solvents. Trace solubility reported in polar organic solvents, such as ether. **Available in commercial quantities,** in the following range of particle sizes: **Class IV—A minus #16+#40 (U.S. Std. Sieve). Class VI, nominal size, 80% minus #100, 45% minus #200 (U.S. Std. Sieve).**	**Drying Agent:** Extremely reactive to H_2O; useful as a desiccant. **Hydrogen Generation:** One lb. reacts with H_2O to generate approx. 45 cu. ft. of hydrogen (reduced to 0°C. and 760mm.). **Chemical Manufacture:** Manufacture of lithium amide and various double hydrides such as lithium aluminum hydride. Manufacture of high energy fuels. **Organic Reactions:** Condensing agent. Reducing agent. Catalyst in manufacture of plastics. **Nuclear Energy:** Radiation shielding.

LITHIUM CORPORATION OF AMERICA, INC.

PRODUCT	PROPERTIES	APPLICATIONS
LITHIUM HYDROXIDE, MONOHYDRATE $LiOH \cdot H_2O$ **Grade:** Technical (Anhydrous LiOH is also available in various physical forms.)	**Molecular weight:** 41.96. **Li_2O content:** 35.6%. **Color and form:** small, colorless crystals. **Density:** 1.51 gm/cm³ at 20°C. **Heat of formation:** —188.9 kcal/mole at 25°C. **Heat of solution:** —0.87 kcal/mole at 25°C. (400 moles H_2O/mole $LiOH \cdot H_2O$). **Solubility in water:** 10.7 wt. % LiOH at 0°C., 10.9 wt. % LiOH at 20° C., 14.8 wt. % LiOH at 100°C.	**Pharmaceutical and Chemical Manufacturing:** Lithium Hydroxide is a strong base, similar in this respect to sodium and potassium hydroxide. Used in preparation of other lithium salts where use of carbonate is not feasible. Used in the preparation of lithium soaps, greases and waxes. The stearate and hydroxystearate are the principal soaps which are incorporated into the new multi-purpose greases. Production of lithium sulfonates. **Catalysis:** Used as a catalyst in the preparation of alkyd resins, and in esterification reactions. **Storage Batteries:** Used as an additive in the electrolyte fluid in alkaline storage batteries.
LITHIUM MANGANITE Li_2MnO_3	**Molecular weight:** 116.8 **Li_2O content:** 25.6%. **Color and form:** reddish-brown powder. **Solubility:** insoluble in water. Extremely stable compound with no oxygen loss when heated at 1100°C.	Flux can be added either in the smelter or in the mill. Improves strength of ceramic bonded grinding wheels by increasing wetting of abrasive grains.
LITHIUM METABORATE, DIHYDRATE $LiBO_2 \cdot 2H_2O$	**Molecular weight:** 85.79. **Li_2O content:** 17.4%. **Color and form:** white, crystalline powder. **Melting point:** the anhydrous salt melts at 849°C. **Solubility:** 3.3 gms $LiBO_2$/100 gms aqueous solution at 25°C.	Small percentages in acid resistant enamels decrease hairlining and increase corrosion resistance.
LITHIUM METAL Li **Purity:** Lithium content 99.9% **LITHIUM METAL** (Low Sodium Content) 0.005% Na Max.	**Atomic weight:** 6.940. **Color:** silver-white. **Density:** 0.534 gm/cm³ at 20°C. **Melting point:** 180.5°C., 356.9°F. **Boiling point:** 1317°C., 2403°F. **Hardness, Mohs' scale:** 0.6. **Vapor pressure:** nil at 20°C., 12mm. at 900°C., 760 mm. at 1317°C. **Heat of fusion:** 103 cal/gm. **Heat of vaporization:** 4680 cal/gm. at 1317°C. **Specific Heat:** 0.852 cal/gm/°C. at 25°C., 0.991 cal/gm/°C at 180°C. (c), 1.047 cal/gm/°C at 180°C. (l). **Available in commercial quantities:** 1 & 2 lb. ingots; cups—⅛ lb.; rod—½" dia.; wire—⅛" dia.; ribbon—½" wide; shot. Metal clad cartridges. Custom forms and alloys tailored to customer's specifications.	**Metallurgy:** Deoxidizer, desulfurizer and degasifier in metal melts. Self-fluxing brazing alloys. Also used in the manufacture of light weight alloys of Al and Mg. Hardening agent in bearing metal alloys. Reduction of rare earth metal and uranium oxides. **Organic Chemistry:** Lithium alkyls and aryls in organic synthesis. Reducing agent. **Chemical Manufacturing:** Starting material in production of lithium hydride. **Nucleonics:** Fusion reactions. Heat transfer agent. **Analytical Chemistry:** Removal of nitrogen from inert gases. **Pharmaceutical:** Synthesis of Vitamin A.
LITHIUM METAL DISPERSIONS	**Dispersing media:** 30 wt. % lithium in mineral oil and/or petrolatum. Has been successfully dispersed in dodecane, paraffin wax and diisopropylbenzene.	**Catalysis:** Used to catalyze the polymerization of isoprene to a synthetic rubber closely resembling natural rubber. **Organic Chemistry:** Lithium alkyls and aryls in organic synthesis.
LITHIUM METASILICATE Li_2SiO_3	**Molecular weight.** 89.94. **Li_2O content.** 33.2% **Color and form:** white powder. **Density:** 2.52 gm/cm³ at 25°C. **Melting point:** 1201°C. **Solubility:** insoluble in water.	**Ceramics-Enamels:** Exhibits strong fluxing properties in highly refractory enamel compositions. Smelter addition to enamel and vitreous and semi-vitreous glaze frits.

LITHIUM CORPORATION OF AMERICA, INC.

PRODUCT	PROPERTIES	APPLICATIONS
LITHIUM METATITANATE Li_2TiO_3	**Molecular weight:** 109.78. **Li_2O content:** 27.2%. **Color and form:** white powder. **Melting point:** 1520-1564°C. **Solubility:** insoluble in water.	**Ceramics-Enamels:** As a mill addition in titanium-bearing enamels, for effecting lower burning. **Glazes:** As a mill addition in vitreous and semi-vitreous glazes. **Electric Porcelain:** As a flux compatible to zircon, zirconates and titanates.
LITHIUM MOLYBDATE Li_2MoO_4	**Molecular weight:** 173.83. **Li_2O content:** 17.2%. **Color and form:** white powder. **Melting point:** 705°C. **Solubility:** 44.8 gms Li_2MoO_4/100 gms aqueous solution at 25°C.	A small amount added to the mill is a very effective flux in either ground or cover coat enamels. Gives necessary adherence for applying a white cover coat directly to steel.
LITHIUM NITRATE $LiNO_3$ Grade: Technical	**Molecular weight:** 68.95. **Li_2O content:** 21.7%. **Color and form:** white, hygroscopic, crystalline powder. **Density:** 2.366 gm/cm³ at 20°C. **Melting point:** 251.4°C. **Decomposition temperature:** 600°C. **Specific heat:** 0.387 cal/gm/°C. at 210°C. **Heat of formation:** —115.279 kcal/mole at 25°C. **Heat of solution:** —0.333 kcal/mole at 18°C. (200 moles H_2O/mole $LiNO_3$). **Solubility in water:** 43.3 wt. % $LiNO_3$ at 20°C.	**Refrigeration:** Used as an ammonia absorbent in refrigeration systems. **Pyrotechnics:** Used in signal flares and fireworks. Oxidizing agent. Salt baths. Heat Exchange media. Preparation of other lithium compounds.
LITHIUM PERCHLORATE $LiClO_4$ Grade: Technical	**Molecular weight:** 106.40. **Color and form:** white crystalline powder. **Density:** 2.43 gm/cm³ at 25°C. **Melting point:** 248°C. Decomposition starts at about 400° C. and becomes rapid at about 430°C., forming LiCl and oxygen. High content of available oxygen (60% by weight). **Heat of formation:** —91.8 kcal/mole at 25°C. **Solubility in water:** 29.9 wt. % $LiClO_4$ at 0°C., 37.5 wt. % $LiClO_4$ at 25°C., 71.5 wt. % $LiClO_4$ at 100°C.	High solubility in alcohols, acetone, ethyl ether and ethyl acetate. **Oxidizing Agent:** Conains 60% available oxygen by weight or 91 lbs. of available oxygen per cubic foot.
LITHIUM SULFATE Li_2SO_4 Grade: Technical	**Molecular weight:** 109.94. **Li_2O content:** 27.2%. **Density:** 2.22 gm/cm³ at 20°C. **Melting point:** 859°C. **Heat of formation:** —342.83 kcal/mole at 25°C. **Heat of solution:** —6.10 kcal/mole at 18°C. (200 moles H_2O/mole Li_2SO_4). **Solubility in water:** 25.7 wt. % Li_2SO_4 at 25°C., 23.5 wt. % Li_2SO_4 at 100°C.	**Pharmaceutical Manufacturing:** Intermediate in pharmaceutical products. Also used as a tracer ingredient to identify chemical products.
LITHIUM ZIRCONATE Li_2ZrO_3	**Molecular weight:** 153.10. **Li_2O content:** 19.5%. **Color and form:** creamy-white powder. **Solubility:** insoluble in water.	**Ceramics-Enamels:** As a mill flux for titania and zirconia enamels. **Glasses and Glazes:** As a flux in zirconium-opacified glasses, glazes and porcelains. **Insulating Bodies:** As a flux compatible with zircon and zirconates.
LITHIUM ZIRCONIUM SILICATE Li_4ZrSiO_6	**Molecular weight:** 243.07. **Li_2O content:** 24.6%. **Color and form:** white powder. **Solubility:** insoluble in water.	**Ceramics-Enamels:** As a mill addition for titania and zirconia enamels for effecting lower burning. **Glazes:** As a flux for elimination of egg-shelling and pinholing and increase of gloss. **Electrical Porcelain and Insulators:** As a flux compatible with zircon and zirconates.

PRODUCT DATA SHEETS are available for all products. Our technical staff, in addition, is at your service for recommendations regarding the application of Lithium chemicals to your operations. Because formulae, plant equipment and operating conditions vary, our research laboratories can best determine the most successful procedures for individual requirements. Attach requests to your letterhead and send to:

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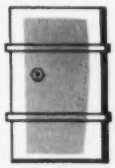
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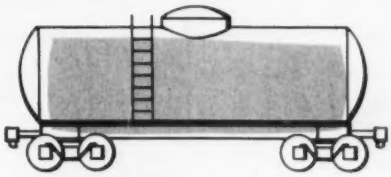
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PRODUCT	PROPERTIES	APPLICATIONS
CALCIUM HYDRIDE CaH_2	**Molecular Weight:** 42:10. **Specific Gravity:** 1.8 (approximately). **Decomposition Temperature:** 600°C. Appearance: Gray-white lumpy powder. **Solubility:** Insoluble in all solvents.	The ability of calcium hydride to effectively super dry gases and solvents has been process proved. Ease of use simplifies super drying. As a portable source of hydrogen, its reaction with water releases approximately 17 cubic feet of hydrogen per pound of hydride. Calcium hydride is an effective inorganic reducing agent at high temperatures; a condensing agent for promoting aldol and Claisen condensation; and useful for promoting the Perkin reaction.
SODIUM HYDRIDE NaH	**Molecular Weight:** 24.0. **Bulk Density:** 30-38 lbs/cu. ft. **Decomposition Temperature:** 423°C under hydrogen without melting. **Appearance:** a 50% dispersion of micron-range NaH crystals in mineral oil. **Solubility:** Insoluble in all solvents including liquid ammonia, but can be slurried in any inert solvent such as hexane or nujol.	For use in any process reaction requiring a base as a reagent, sodium hydride provides advantages for alkylation, condensation, transesterification and carbethoxylation steps. It is a basic raw material for other hydrides. The uses of sodium hydride parallel that of sodium metal and sodium alcoholates in organic applications. As a 50% dispersion, yields and reaction times are improved because of the greater reactivity of the hydride. It can be handled without danger and can be packaged to your unit specification. Reaction control is easy and accurate.
LITHIUM ALUMINUM HYDRIDE $LiAlH_4$	**Molecular Weight:** 37.94. **Bulk Density:** Approximately 0.20 grams per cc. **Appearance:** Gray-white lumpy powder. **Decomposition Temperature:** Above 125°C in dry air. **Solubility:** It reacts very rapidly and completely with water. Other solvents are diethyl ether, tetrahydrofuran, dimethyl cellosolve and dioxane. It may, however, be slurried in an inert media.	Lithium aluminum hydride is a selective reducing agent for nitrogen groups and organic acids, esters, aldehydes, ketones, anhydrides, acid chloride, amides, nitriles, and aldimines. It is being used in steadily increasing quantities for hormone synthesis, vitamin preparation and steps in the manufacture of other pharmaceutical products. Carbon-to-carbon double bonds are not generally attacked, making lithium aluminum hydride an ideal reducing agent for functionable groups of unsaturated compounds. Applications in development stages include fuels, catalysts and several inorganic reductions.
LITHIUM BOROHYDRIDE $LiBH_4$	**Molecular Weight:** 21.8 **Bulk Density:** Aproximately 0.3. **Appearance:** Gray-white lumpy powder. **Decomposition Temperature:** in excess of 200°C in vacuo.	Lithium borohydride combines three lightweight elements into an energy-rich compound having a heat of combustion of 28,000 B. T. U./lb. A stable compound which may be cast or pressed in any desired shape, lithium borohydride is non-toxic, has no significant vapor pressure, and will not develop voids or fissures. Of interest as a solid propellant, this compound also may be very useful as a high-energy additive for fuels used in conjunction with LOX. Lithium borohydride is available in research quantities.
SODIUM BOROHYDRIDE $NaBH_4$	**Molecular Weight:** 37.8. **Bulk Density:** 0.229/cc. **Decomposition Temperature:** 300°C in dry air. **Appearance:** White powder. Also available as Sodium Borohydride-SWS, a stable, aqueous caustic solution, and in pellet form. **Solubility:** Principally soluble in water to the extent of 55 grams per hundred grams at 20°C. Other solvents are ethyl alcohol, isopropyl alcohol, isopropylamine, morpholine, pyridine, dimethyl cellosolve. It is generally insoluble in ethers, hydrocarbons, and alkyl chlorides.	Sodium borohydride is a water soluble reducing agent for aldehydes and ketones. In non-acqueous solvent systems it will reduce acids, esters, acid chlorides, disulfides and nitriles. In aqueous solutions it reduces the next lowest stable valence ions of cerium, chromium, iron, vanadium, manganese, thallium and molybdenum. Many salts are reduced or precipitated as borides or mixtures. Other significant applications include uses intermediate in the preparation of high-energy fuels; for the generation of diborane; as a foaming agent for the production of high-quality organic or inorganic foams; and as a reagent for cleaning up aldehyde, ketone and peroxide trace impurities in a wide range of organic chemicals including acrylonitrile styrene, glycol ethers, pentaerythritol, sulfonates, amines and unsaturated compounds.

TECHNICAL SERVICE AND CONTRACT RESEARCH SERVICE

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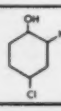
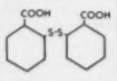
PRODUCT	PROPERTIES	APPLICATIONS
POTASSIUM BOROHYDRIDE KBH_4	**Molecular Weight:** 53.95. **Bulk Density:** About .7. **Decomposition Temperature:** It is stable up to 300°C in air and under normal conditions is non-hygroscopic. It has a negative heat of solution. **Appearance:** White crystalline powder and in pellet form. **Solubility:** The best solvent is cold water. It is stable in water solutions of reflux temperature by the addition of a small amount of base. Solubility in water is 19.3 grams to 100 grams of solvent. Other solvents are methyl alcohol and various water-alcohol mixtures, and liquid ammonia. Generally, it is insoluble in ethers and hydrocarbons.	Chemically, potassium borohydride is similar to sodium borohydride. It is a water soluble reducing agent for aldehydes and ketones and in non-aqueous systems for esters and acid chlorides. Being a non-hygroscopic solid with good thermal and hydrolytic stability, potassium borohydride is of interest to high-energy fuel producers.
TITANIUM HYDRIDE TiH_2	**Molecular Weight:** 49.9. **Bulk Density:** 0.9 grams/cc. **Appearance:** Dark gray powder, finely divided. **Dissociation:** Appreciable at approximately 450°C at which temperature TiH_2 will release approximately 450 cc's of hydrogen per gram of hydride.	The chief application of titanium hydride is in the field of powder metallurgy. It is effective in increasing densities and providing a protective atmosphere. It has application, as well, as a getter for hydrogen purification. Mainly because of its ability to wet ceramics and glass, it is used as a fluxing agent in preparing glass-to-metal and ceramic-to-metal seals.
TITANIUM Ti	**Atomic Weight:** 47.9. **Appearance:** Dark gray to black powder. **Apparent Density:** 0.9-1.0 gms/cc.	Titanium, available as a fine powder, has applications in pyrotechnics and in electronic industries as a getter and as an alloy ingredient for the preparation of alloys of titanium with chromium, nickel, molybdenum, and other metals.
ZIRCONIUM HYDRIDE ZrH_2 GRADE C; GRADE R	**Particle Size:** 325 mesh. Average, 2-6 microns. **Appearance:** Metallic, dark-gray to black powder. **Crystalline Form:** Face centered tetragonal a-4.964A b-4.40A. **Bulk Density:** 2.4 g/cc. **True Density:** 5.6 g/cc. **Melting:** Dissociates to zirconium metal and hydrogen. (MP zirconium metal, 1857°C). **Dissociation and Thermal Stability:** ZrH_2 is the limiting composition of the complex zirconium-hydrogen system. The dissociation pressure varies with temperature and with the content of such impurities as oxygen, nitrogen, and trace metals. This pressure is best found by experiment under operation conditions. The dissociation pressure (1,2) is small below 500°C, but rises rapidly with temperature. At 940°C, 760 mm pressure, the equilibrium composition corresponds closely to the formula ZrH. Zirconium hydride burns brilliantly in air and glows if heated strongly in nitrogen. **Hydrogen Content:** One gram of ZrH_2 contains 240 cc H_2 at STP.	Metal Hydrides Incorporated now produces zirconium hydride in two grades. **ZrH_2 Grade C** for commercial applications, and **ZrH_2 Grade R** for atomic applications. Grade C, is used as a getter in electronic tubes. It is superior to zirconium metal because it does not oxidize during seal-in or exhaust operations. Hydrogen is removed by heating in vacuum, leaving a deposit of clean, highly reactive zirconium metal as a getter. In powder metallurgy, Grade C is used as a pure hydrogen source to prevent oxidation, and can be used for making zirconium powder-metallurgy parts which are de-gassed prior to and during sintering. MHI **ZrH_2 Grade R** is used in atomic reactor components as a moderator. With hafnium content less than 0.01% the product is designed to meet precise requirements of reactor applications. It can be mixed with other powders and compacted for fuel elements. Added to construction materials, it can be used for shielding reactors. Chemical reactions for zirconium hydride, include the reduction of oxide and halides of less active metals at elevated temperatures. It reacts violently on heating with easily reducible oxides. It reacts on all excepting inert gases at red heat forming nitride, carbide, and oxide. It dissolves in hydrofluoric and hot hydrochloric and sulphuric acids.
ZIRCONIUM Zr	**Molecular Weight:** 91.22. **Apparent Density** 6.5 grams per cc. **Appearance:** Gray powder. Zirconium metal powder is a finely divided product with a particle size of 1-5 microns, depending upon grade.	MHI zirconium is used as an ingredient in ignitors and as a light source for photo-flash bulbs, and because of its extreme sensitivity to oxygen, nitrogen and moisture, it is used as a getter for electronic tubes.

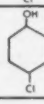
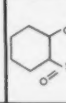
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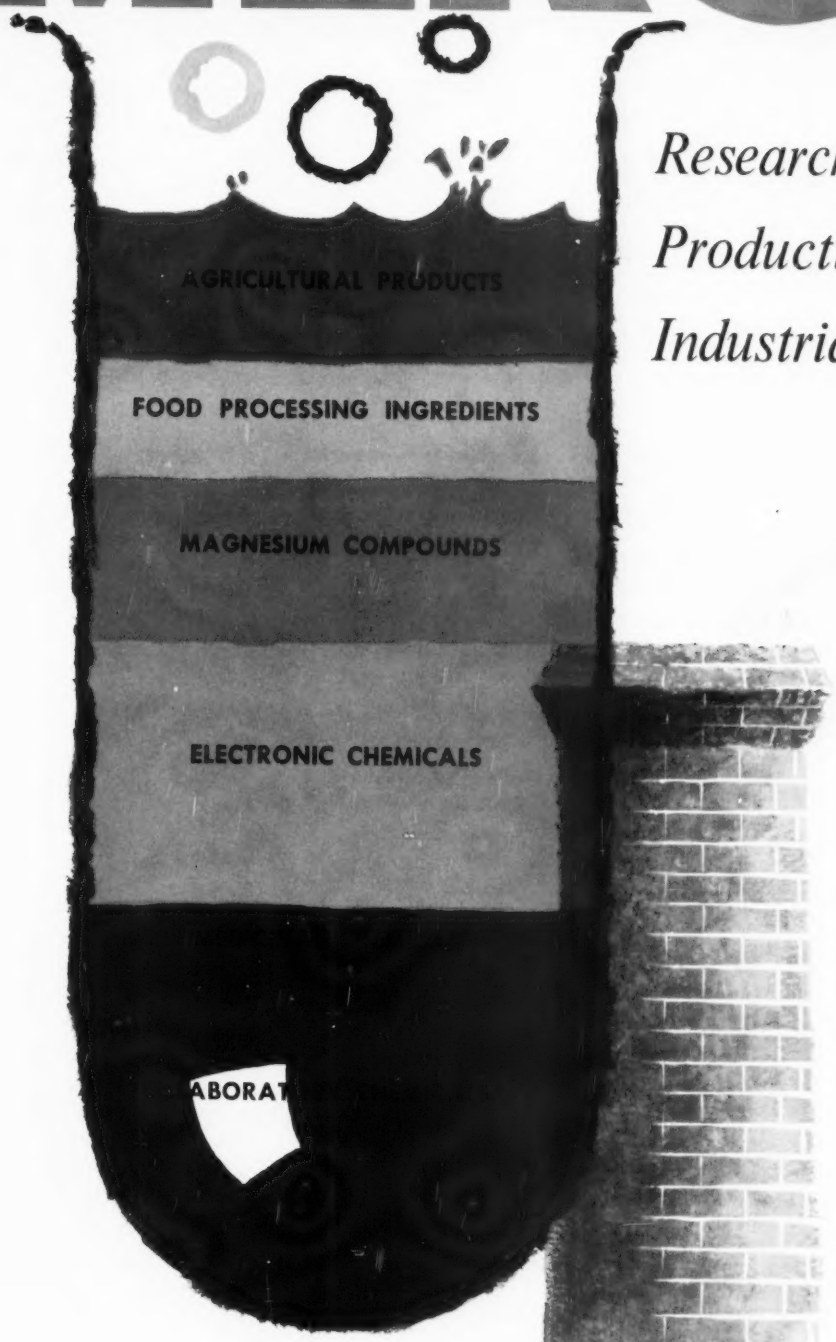
Name	Structural Formula	Description
m-Aminobenzotrifluoride-Technical and Purified		Colorless to yellow oily liquid Assay, Technical, 88% min., meta content Assay, Purified, 98% min., meta content
2-Amino-4-chlorophenol		Brown crystalline powder; Assay 96% min.
Anthranilamide		Tan crystalline powder Assay 98% min. M.P. 108°C.
Anthranilic Acid		Light tan powder Assay 99% min. M.P. 145°C., min.
Benzotriazole —Technical		Light brown powder Assay 95% min.
Benzyldimethylamine		Clear liquid Assay 95-99% B.P. 180-182°C.
α—Chloro-m-nitroacetophenone		Off-white, free-flowing granular solid; Assay 95%, approx. M.P. 95—100°C.
2, 2' Dithiodibenzoic Acid		Tan to gray powder Assay 90% min. M.P. 280°C., min.
Guanidine Carbonate —Technical and Recrystallized		White crystals or powder Assay 96% (technical), 98% (recrystallized)
Isatoic Anhydride —Technical		Tan powder Assay 96% min.

Name	Structural Formula	Description
4-Ketobenztriazine		Tan powder Assay 98%, approx. M.P. (dec.) 210°C.
***m*-Nitroacetophenone**		Light yellow amorphous solid; Assay approx. 90% (meta isomer)
***m*-Nitrobenzotrifluoride**		Light yellow oily liquid; Assay approx. 88% min., meta content B.P. 200-205°C.
3-Nitro-4-chlorobenzotrifluoride		Light yellow liquid Assay approx. 97% B.P. 220-223°C.
2-Nitro-4-chlorophenol		Yellow powder Assay 97% min. M.P. 86°C., min.
o-Phenylenediamine		Brown crystals Assay 97% M.P. 100-103°C.
Phthalimide		Granular white powder Assay 98% min. M.P. 233-235°C.
β-Resorcylic Acid		White powder Assay 98% min.
Saccharin-Calcium		Fine white powder Assay 13-15% water of crystallization
Saccharin—Insoluble USP		Fine white powder Assay 98% M.P. 227°C., min.
Saccharin—Soluble Granular USP		White granules Contains 14.0-15.0% water of hydration
Saccharin—Soluble Powder USP		Fine white powder Assay 5.5-6.0% water of crystallization

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Agricultural Products

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- NICARB®
- S.Q.®
- PRO-STREP®

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- ANTIBIOTICS
- VITAMINS
- ANESTHETICS
- STEROIDS
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- SULFONAMIDES

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  Antioxidants
- NEO-CEBITATE® (Sodium Isoascorbate)
- NEO-CEBICURE® (Isoascorbic acid)
- NEO-CEBITABS® (Sodium Isoascorbate Tablets) for meat processing
- SORBITOL
- VITAMINS

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- MARINCO® C
  Magnesium carbonate, U.S.P. and Tech.
- MARINCO® H
  Magnesium hydroxide, U.S.P. and Tech.
- MARINCO® O
  Magnesium oxide, U.S.P. and Tech.
- MAGCAL®
  Inactive magnesium oxide
- MARINCATE®
  Magnesium trisilicate, U.S.P. and Tech.
- HYDRO-MAGMA®
  Paste of magnesium hydroxide in water

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FOR INDUSTRIAL PROGRESS

Electronic Chemicals

The Merck Electronic Chemicals Division now offers four different forms of ultrapure silicon; polycrystalline billets, polycrystalline rods for float zone refining, doped float zone refined single crystal, and high resistivity "p" type single crystal for use in rectifiers, diodes and transistors. Base boron content is below one atom of boron per six billion silicon atoms.

Merck offers bismuth telluride ingots for thermoelectric cooling and power generation applications in limited quantities. Also available are many chemicals of a special electronics quality. These include acetone, methyl alcohol anhydrous, hydrofluoric acid, ammonium hydroxide, SUPEROXOL® and others.

ULTRAPURE SILICON

BISMUTH TELLURIDE

CADMIUM AND ZINC SELENIDES AND TELLURIDES (powdered form)

REAGENTS SUITABLE FOR ELECTRONIC USE

Medicinal Chemicals

Merck has long been a leader in research and large-scale manufacture of products for the pharmaceutical industry—products that help safeguard health and fight disease. The synthesis of cortisone and hydrocortisone by Merck research chemists opened a new era in medicine. Many vitamins, including vitamin B_{12}, thiamine, pyridoxine and calcium pantothenate, were isolated or synthesized first in the Merck Laboratories. An extensive line, superior production capacity, top technical service and pioneering research are key reasons why pharmaceutical manufacturers look first to Merck for vitamins, hormones, antibiotics, narcotics and fine chemicals.

ANTIBIOTICS

ANTIHISTAMINES

FINE CHEMICALS

LYSINE

MONOSODIUM GLUTAMATE

NARCOTICS

SORBITOL

STEROIDS

VITAMINS

Laboratory Chemicals

Merck laboratory chemicals have earned the designation "precision tools for accurate analysis"—are known to chemists the world over for their dependability and quality.

Merck offers nearly 1,000 chemicals for laboratory use, and constantly adds new solvents and reagents to the line in order to meet new requirements of scientific workers. Merck laboratory chemicals are readily available through laboratory supply houses in nearly every state.

Grades of Merck Laboratory Chemicals

REAGENT GRADE
Chemicals of highest quality, suitable for analysis

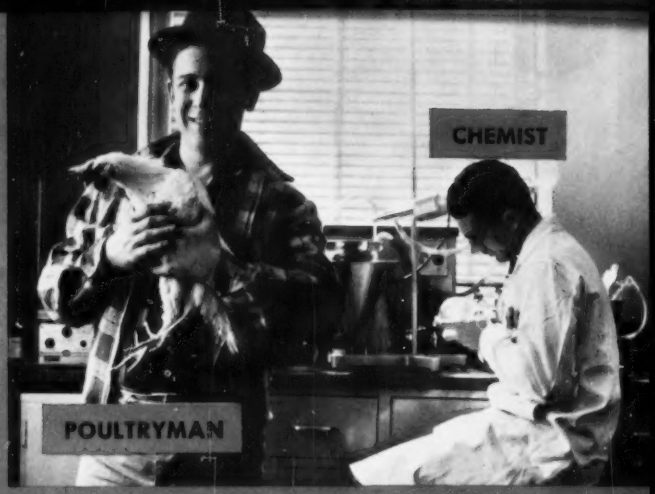
U.S.P.
Conform to United States Pharmacopeia standards

N.F.
Conform to National Formulary standards

TECHNICAL GRADE
Physically clean and of reasonable chemical purity

SUITABLE FOR SPECTROPHOTOMETRIC USE
Prepared for use without further purification

Q. What do these occupations have in common?







A. *Some of their toughest problems have been solved by advances in chemistry pioneered by Merck's long-established program of diversified research.*

HOW MERCK SERVES THESE FIELDS

1. Poultryman—feed supplements and medications to combat poultry disease and speed growth.
2. Chemist—chemical reagents and solvents for accurate analysis.
3. Grape grower—GIBREL® plant growth stimulant to increase grape size and crop yields.
4. Rubber technologist—magnesium compounds to meet specific product and processing requirements.
5. Meat packer—processing ingredients to improve production efficiency and product quality.
6. Missile man—ultrapure silicon to improve performance of semiconductor devices.

®Trademarks of Merck & Co., Inc.

With the conviction that research is the key to continued progress, Merck places strong reliance on its scientific staff for effective new products. This research staff numbers more than 1,000 men and women trained in some fifty-five scientific disciplines. They work in close collaboration with leading investigators at universities and other research centers throughout the world. Five Nobel Prizes, in fact, have gone to scientists working closely with Merck.

Merck was one of the first companies in its field to recognize the value of research—and to invest heavily in it. During the past two decades, Merck has invested well over $100 million in research. This period has seen more than 650 patents assigned to Merck—including some of the most significant chemical discoveries of our time with important applications in industry, agriculture and medicine.

It will pay you to keep in touch with Merck. The next major Merck research break-through may very well be in your own field.

MERCK

MERCK CHEMICAL DIVISION

MERCK & CO., INC. • RAHWAY, NEW JERSEY

C-CG-202-02

Printed in U.S.A. 8-59

M&T Chemicals

TIN CHEMICALS
ORGANOMETALLICS
INORGANIC CHEMICALS AND MINERALS
PVC STABILIZERS
URETHANE CATALYSTS
PLATING CHEMICALS
INDUSTRIAL PROTECTIVE COATINGS

TIN CHEMICALS

Listed here are the most popular of M&T's tin chemicals. As the leading company in tin chemicals production and research, M&T has developed many others and invites inquiries in this area. See, also, "Organometallics and Other Development Chemicals" below.

Sn^{++} Sn^{++++}

INORGANICS

Stannic Chloride—Anhydrous
Stannic Chloride—Pentahydrate
Stannic Oxide
Stannous Chloride—Anhydrous (Stannochlor®)
Stannous Fluoride
Stannous Oxide
Stannous Pyrophosphate
Stannous Sulfate

ORGANOTINS

Dibutyltin Diacetate
Dibutyltin Dilaurate
Dibutyltin Di-2-Ethyl Hexoate
Dibutyltin Maleate
Dibutyltin Oxide
Tetrabutyltin
Tetraphenyltin
Tributyltin Oxide (TBTO®)

STANNATES . . . of sodium, potassium, bismuth, calcium, lead, and many other metals.
TIN SOAPS . . . including Stannous Oleate and Stannous Octoate.

INORGANIC CHEMICALS and MINERALS

These specially processed chemicals and minerals are intended primarily to meet the uniformity requirements of the Ceramics and Glass Industries.

Sb Zr Ti

ANTIMONY OXIDE (Sb_2O_3) AND SODIUM ANTIMONATE ($Na_2O{\cdot}Sb_4O_5{\cdot}\frac{1}{2}H_2O$)... Opacifiers for vitreous enamels.

ZIRCONIUM SILICATE ($ZrSiO_4$)... Offered in granular form and as finely milled ULTROX® Opacifiers in a range of fineness grades.

RUTILE (TiO_2)... Available as VIRFLUX® Virginia Rutile and Australian Rutile for pigmenting applications and as a low-cost chemical source of titanium.

ILMENITE ($FeOTiO_2$)... An aggregate for oil well cement and for production of white titanium dioxide and ferro titanium.

PLASTICS CHEMICALS

Heat and light stabilizers, including the most powerful known, for all vinyl applications. M&T also offers the only complete line of "one-shot" urethane foam catalysts, and a range of "antimony" flame retarders for vinyls and other chlorine-containing compounds.

Sn Sb

THERMOLITE® ORGANOTIN STABILIZERS—Eight premium-performance stabilizers for unsurpassed initial clarity and light stability. These Thermolites include mercapto, maleate, laurate and combination types.

THERMOLITE® 112 Ba-Cd STABILIZER—A unique aromatic-based Ba-Cd system. Thermolite auxiliary stabilizers of the liquid-zinc and organic-antioxidant types are also available.

URETHANE FOAM CATALYSTS

M&T Catalyst T-12 (Dibutyltin Dilaurate)
M&T Catalyst T-8 (Dibutyltin D1-2-Ethyl Hexoate
Stannous Oleate
Stannous Octoate

FLAME RETARDERS—Thermoguard* "High Opacity" and "Low Opacity" antimony oxides. M&T Flame Retarder – antimony-based, with one-fifth the opacifying power of antimony oxide.

*Trade Mark

ORGANOMETALLICS
and other Development Chemicals†

In addition to the commercial products listed above, a wide range of organometallics are available from M&T's *Commercial Development Division.* Those listed here are offered in pilot-plant quantities. Hundreds of others have been catalogued or are available as research samples.

† *Please address inquiries regarding this group of chemicals to Commercial Development Division, Metal & Thermit Corporation, 100 Park Avenue, New York 17, N. Y.*

Sn P Sb Si Bi

ORGANOPHOSPHORUS

Tributylphosphorus
Triphenylphosphorus
Triphenylphosphorus Dichloride
Triphenylphosphorus Oxide

ORGANOANTIMONY

Tributylantimony
Triphenylantimony
Triphenylantimony Oxide
Triphenylantimony Dichloride

ORGANOSILICON

Diphenyldichlorosilane
Phenylmethyldichlorosilane
Diphenylsilane
Diphenyl Di-n-Dodecylsilane

ORGANOTIN

Dimethyltin Dichloride
Dimethyltin Oxide
Dibutyltin Sulfide
Tributyltin Orthophenylphenate
Tributyltin Acetate
Tributyltin Dodecyl Succinate
Triphenyltin Chloride
Diphenyltin Dichloride
Dilauryltin Dichloride
Dioctyltin Oxide
Tetravinyltin
Di-2-Ethylhexyltin Oxide

Stannonium Compounds

Bis Dilaurylaminotriphenylstannonium Chloride
Diethylaminodibutylstannonium Dichloride
Dipiperazinodibutylstannonium Dichloride
Diphenothiazinodibutylstannonium Dichloride

INORGANICS

Stannous Gluconate
Stannous Oxalate
Stannous Stearate
Stannous Tartrate
Other Tin Soaps

ORGANOBISMUTH

Triphenylbismuth

TECHNICAL ASSISTANCE: Experienced personnel backed by fully equipped laboratory facilities are ready to work with you on development problems. Contact your M&T representative or write to:

METAL & THERMIT
CORPORATION
General Offices: Rahway, N. J.

M. Michel and Company, Inc.
MICHEL
90 Broad Street, New York 4

Hydrocarbon-free fractions assure clean reactions with primary aliphatic alcohols

"CACHALOT" brand offers refined grades at low cost

It takes skill to do things well. Not everyone can make the product you make (though at times it must seem as though they're all trying). Same way with fatty alcohols and M. MICHEL AND COMPANY, INC. That's our line, has been for over thirty years. We've learned to watch the small things, try to do them as well as the big: consistent product uniformity, on-time delivery, fair pricing.

Chem-men who plan tomorrow's products now often specify CACHALOT brand normal straight-chain alcohols for research projects. When you go to plant scale, you can get the same NF, USP, TGA or technical grade CACHALOT fatty alcohol in big tonnage.

Free of undesirable hydrocarbons and branched chains, CACHALOT fatty alcohols require no stripping, work well in complex reactions or as critical additives. Constant production checks assure tight tolerances: low acid, ester, and saponification values; controlled iodine values; virtual absence of ash, odor, or color bodies.

CACHALOT octyl, decyl, lauryl, myristyl, cetyl, stearyl, oleyl, and arachidyl alcohols are made by modern techniques of high-pressure hydrogenation and vacuum distillation. Because they are not by-products of limited availability, MICHEL aliphatics are ready for prompt delivery in any quantity at competitive prices.

Modern packing—easy handling



The extra care with which CACHALOT fatty alcohols are packed is one reason buyers re-order this brand. Crystalline flaked or cast myristyl, cetyl, and stearyl alcohols are guarded by polyethylene-lined multiwall bags or cartons. Clear liquid octyl, decyl, lauryl, and oleyl alcohols are shipped in uniform weight steel drums. Bulk shipments in steam-cleaned and inspected tank cars are accompanied by laboratory analysis and certified weights.

Long chains cut costs as additives & reactants in one ton or carloads

CACHALOT *fatty alcohols have a combination of versatile properties and reactive possibilities. Here's a partial list of some profitable uses as additives or intermediates:*

Detergent and soap makers add CACHALOT alcohols as stabilizers, anti-caking compounds, foam controllers; or sulfate to surfactants.

Drug and cosmetic manufacturers add CACHALOT fatty alcohols as emollients, emulsifiers, coatings; or halogenate them to make germicides.

Metal finishers add CACHALOT fatty alcohols as penetrants, anti-pitting agents, drawing compounds; or dehydrate to form synthetic lubricants.

Paint and ink makers add CACHALOT fatty alcohols as slicking agents, solubilizers, viscosity regulators; or esterify to make anti-oxidants.

Paper and pulp mills add CACHALOT fatty alcohols as coatings, binders, anti-slip agents; or use derivatives for defoamers.

Petroleum producers add CACHALOT fatty alcohols as extreme-pressure lubes, pour point depressants, anti-corrosion penetrants; or phosphate them to make lube additives.

Textile and leather specialty formulators add CACHALOT fatty alcohols as delustrants, finishes, water-proofing compounds; or ethoxylate to make liquid detergents.

To find out what CACHALOT fatty alcohols are, what they do, how you can use them and their derivatives, write for *Survey CW* to:
M. MICHEL AND COMPANY, INC., 90 Broad Street, New York 4 (New York City phone: Digby 4-3878)

MICHEL *potentials:*

Spot-free drying: car-wash detergents formulated with CACHALOT lauryl alcohol rinse faster, leave no water marks, are non-corrosive.

Radiation-proof lubes: researchers feel normal long chain aliphatics may show superior resistance to gamma ray breakdown.

Water-savers: specially formulated CACHALOT n-hexadecanol retards evaporation on open reservoirs with no apparent biologic imbalance.

Non-toxic mold release: new food wrap laws inspire use of safe additives such as CACHALOT stearyl alcohol and derivatives.

Cocoa butter substitutes: pharmaceutical formulators cut costs with high-purity CACHALOT myristyl alcohol and cetyl-oleyl blends.

Micronized alcohol: an exclusive process makes finely powdered CACHALOT solid alcohols available for cosmetic and industrial use.

Anti-static agents: the ability of CACHALOT fatty alcohols to form monomolecular films of non-toxic nature spurs research in this field.

CACHALOT is the registered trade name of M. Michel and Company, Inc., for over thirty years a basic chemical supplier.



Get all the facts on fatty alcohols from MICHEL

M. MICHEL and Company, Inc.
90 Broad Street, New York 4

Clays and Process Materials

KAOLIN

Edgar

Aluminum Silicate Pigments (ASP's)

ASP's are selected particle size, white crystals carefully processed to remove moisture, sand, mica, and water soluble salts . . . Obtain *Technical Information Bulletin No. 1001* for detailed properties . . . ASP's used in ADHESIVES, INKS, LEATHERS, PAINTS, PAPERS, PHARMACEUTICALS, PLASTICS, RUBBERS and other materials as extenders, fillers, thickeners and as agents for flatting, glossing, suspending and the control of various physical and chemical properties.

ATTAPULGITE

ATTAPULGUS

Attapulgus Clay Products

These products are naturally sorptive crystals that have been activated by various thermal treatments and produced in grades ranging from fine powders to coarse granules . . . Obtain *Technical Information Bulletin No. 1002* for detailed properties . . . Attapulgus Clay products used in ADHESIVES, AGRICULTURAL PRODUCTS, CHEMICALS, DRILLING MUDS, PAINTS, PHARMACEUTICALS, PLASTICS, PETROLEUM PROCESSING and other applications as adsorbents, conditioners, carriers and diluents and as agents for anti-caking, brightening, emulsifying, suspending, thickening and the control of various physical and chemical properties.

BAUXITE

POROCEL

Activated Bauxite Products

Activated Bauxite products are hard, durable, thermal treated materials processed from high alumina content natural bauxite ores . . . Obtain *Technical Information Bulletin No. 1004* for detailed properties . . . activated Bauxite products used primarily in petroleum and petrochemical processing as adsorbents, catalysts, catalyst carriers and desiccants and as agents for purifying, decolorizing, deodorizing and control of end-product properties.

LIMESTONE

Chemstone

Chemstone Products

These products are uniform, quality-controlled materials processed for specific end uses . . . contact CHEMSTONE CORPORATION, a subsidiary of Minerals & Chemicals Corporation of America, Cleveland, Ohio for details . . . Limestone products for metal producing as fluxstone, fluxing lime, open hearth and cement stone; chemical pebble and hydrated lime; in construction as secondary road stone, sized aggregates and lime; agricultural lime and limestone products.

M & C Chemical Distributors/Warehouse Stocks

CALIFORNIA, SAN FRANCISCO 11
E. M. WALLS COMPANY
353 Sacramento Street

CALIFORNIA, VERNON 58
CHEMICAL-ADDITIVES COMPANY
3155 Leonis Boulevard

COLORADO, DENVER 2
GEORGE C. BRANDT, INC.
1940 Blake Street

FLORIDA, INDIAN ROCKS
GULF COAST CHEMICAL CORP.
107-22nd Street, Belleair Beach

FLORIDA, TAMPA
GULF COAST CHEMICAL CORP.
101 N. 12th Street

GEORGIA, ATLANTA
SOUTHERN STATES CHEMICAL CO.
1061 W. Marietta St., N.W.
P. O. Box 2517, Station D

ILLINOIS, CHICAGO 8
COMMERCE PETROLEUM CO.
2980 Archer Avenue

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359 West Ray Street

KANSAS, KANSAS CITY
GEORGE C. BRANDT, INC.
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KENTUCKY, LOUISVILLE
WM. B. TABLER COMPANY
P. O. Box 1254

LOUISIANA, NEW ORLEANS 18
BARADA & PAGE, INC.
Maple & Leake Avenues

MARYLAND, BALTIMORE 1
VAN HORN, METZ & CO., INC.
516 N. Charles St.

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T. C. ASHLEY & COMPANY, INC.
683 Atlantic Avenue

MICHIGAN, DETROIT 7
A. E. FLEMING COMPANY
1900 E. Jefferson Avenue

MINNESOTA, ST. PAUL 14
GEORGE C. BRANDT, INC.
739 Pillsbury Avenue

MISSOURI, ST. LOUIS 7
BARADA & PAGE, INC.
Foot of Destrehan Street

NEW YORK, BUFFALO 10
JAMES O. MEYERS SONS
290 Larkin Street

NEW YORK, NEW YORK 6
SUPERIOR MATERIALS, INC.
120 Liberty Street

NORTH CAROLINA, CHARLOTTE
SOUTHERN STATES CHEMICAL CO.
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C. L. ZIMMERMAN CO.
Cincinnati Union Terminal

OHIO, CLEVELAND 7
A. C. MUELLER CO., INC.
14625 Detroit Avenue

OKLAHOMA, OKLAHOMA CITY
BARADA & PAGE, INC.
1700 West Grand Avenue

OKLAHOMA, TULSA 5
BARADA & PAGE, INC.
6550 East Skelly Drive
P. O. Box 4628

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CORDANO CHEMICAL COMPANY
56 Southeast Belmont Street

PENNSYLVANIA, CONSHOHOCKEN
(near Philadelphia)
VAN HORN, METZ & CO., INC.
241 East Elm Street

PENNSYLVANIA, NEW KENSINGTON
(near Pittsburgh)
VAN HORN, METZ & CO., INC.
Coxcomb Hill Road

SOUTH CAROLINA, GREENVILLE
SOUTHERN STATES CHEMICAL CO.
25 Peden Street

TEXAS, DALLAS 10
BARADA & PAGE, INC.
3306 Borich Street

TEXAS, HOUSTON 21
BARADA & PAGE, INC.
Kirbyville & Murphy Streets
P. O. Box 14008

VIRGINIA, RICHMOND 28
VAN HORN, METZ & CO., INC.
6101 Staples Mill Road

WASHINGTON, SEATTLE 4
D. B. SMITH COMPANY
1016 First Avenue South

WISCONSIN, MILWAUKEE 9
COMMERCE INDUSTRIAL CHEMICALS, INC.
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Vancouver 6

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50 Titan Road

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Miles Chemical Company

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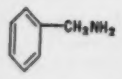
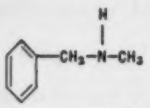
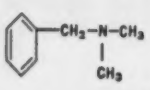
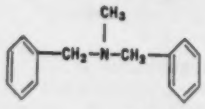
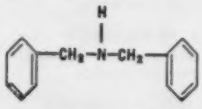
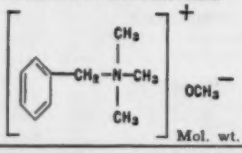
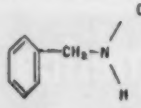
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1127 Myrtle Street • Elkhart, Indiana

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MUrray Hill 2-7970 Teletypewriter NY-1-3768

WEST COAST AGENT
B. W. Holmes 4619 Alta Canyada Rd.
La Canada, California

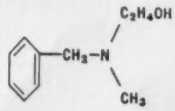
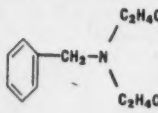
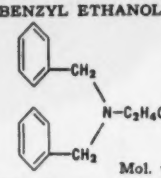
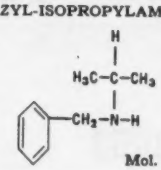
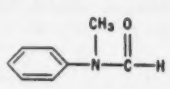
Rigid quality control has helped Sumner fine chemicals maintain an excellent reputation in the pharmaceutical field. The following series of amines and antioxidants now are available in pilot plant or commercial quantities. The industrial applications of most of these amines are well established. All warrant investigation. Write for further information, experimental samples and prices.

CHEMICAL INTERMEDIATES

PRODUCT	DESCRIPTION	USES	CONTAINERS
BENZYLAMINE  Mol. wt. 107.15	Colorless to light yellow liquid Assay 98% minimum Specific Gravity 0.970 at 25°C Refractive index 1.5405-1.5420 at 25°C Distilling range – 95% distills – 182 to 185°C at 760mm Hg Residue on evaporation 0.2% max.	Intermediate in the synthesis of quaternary ammonium compounds and various other types of organic synthesis. As an oil-soluble rust inhibitor.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYLMETHYLAMINE  Mol. wt. 121.18	Colorless to light yellow liquid Assay 97% minimum Specific Gravity 0.936 at 25°C Refractive index 1.5185-1.5220 at 25°C Distilling range – 95% distills – 183 to 188°C at 760mm Hg Residue on evaporation 0.2% max.	May be used to produce quaternary ammonium compounds or as a methylaminating agent in organic chemical synthesis. It has antirust properties	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYLDIMETHYLAMINE  Mol. wt. 135.21	Colorless to light yellow liquid Assay 97% minimum Specific Gravity 0.894 at 27°C Refractive index 1.4985-1.5005 at 25°C Distilling range – 95% distills – 65-68°C at 18mm Hg Residue on evaporation 0.2% max.	As an intermediate in chemical synthesis and in reactions in which an organic base is required. Suggested as a catal,st in epoxy resins.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs net
N,N-DIBENZYLMETHYLAMINE  Mol. wt. 211.29	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 0.99 to 25°C Refractive index 1.5560-1.5590 at 25°C Distilling range – 95% distills – 152 to 158°C at 11mm Hg Residue on evaporation 0.2% max.	As an intermediate for chemical synthesis. Its insolubility in water and its solubility in organic liquids suggest its use as an oil-soluble rust-inhibitor or as an ingredient in cutting oils, hydraulic fluids, specialty lubricants and similar application to block corrosive activity of acids produced by oxidation	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs net
N,N-DIBENZYLAMINE  Mol. wt. 197.27	Colorless to pale yellow liquid Assay 95% minimum Specific Gravity 1.017 at 20°C Refractive index 1.5730-1.5740 at 25°C Distilling range – 95% distills – 168 to 172°C at 10mm Hg Melting range of hydrochloride 259 to 262°C Benzylidene – none by test Benzylamine – none by test	As an intermediate in the synthesis of quaternary ammonium compounds and various other types of organic compounds. It has antirust properties.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net
N-BENZYL TRIMETHYL AMMONIUM METHOXIDE  Mol. wt. 181.28	Yellow liquid Assay 38-42% in Methanol Distilling range – Decomposes on distillation Chlorides – 0.1% max. Trimethylamine – 0.5% max.	Catalyst in organic reactions or catalyst in basic curing of resins. Organic soluble strong base where alkaline earth bases would not perform	Steel drums
N-BENZYL ETHANOLAMINE  Mol. wt. 151.21	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.044 at 27°C Refractive index 1.5400-1.5430 at 25°C Distilling range – 240 to 255°C at 760mm Hg % amine on steam distillation .05% Solubility of H_2O in amine 5 parts H_2O to 1 part amine	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs. net 55 Gallon steel drum 400 lbs. net

MILES CHEMICAL COMPANY

CHEMICAL INTERMEDIATES

PRODUCT	DESCRIPTION	USES	CONTAINERS
N-BENZYL-N-METHYL ETHANOLAMINE  Mol. wt. 165.24	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.006 at 27°C Refractive index 1.5250-1.5270 at 25°C Distilling range—95 to 105°C at 2mm Hg % amine on steam distillation 3.3% Solubility of H_2O in amine—33.6 Gm. H_2O/100 Grm. amine	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-BENZYL DIETHANOLAMINE  Mol. wt. 195.27	Colorless to light yellow liquid Assay 95% minimum Specific Gravity 1.073 at 25°C Refractive index 1.5345-1.5375 at 25°C Distilling range—155 to 165°C at 2mm Hg % amine on steam distillation nil Solubility of H_2O in amine, completely miscible	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N,N-DIBENZYL ETHANOLAMINE  Mol. wt. 241.34	Colorless to light yellow liquid Assay 95% minimum Distilling range—95% distills—135-140°C at 2mm Hg May partially solidify at room temperature % amine of steam distillation 0.15%	Physical properties may suggest a variety of uses: corrosion inhibitor; intermediate for the formation of esters and salts; etc.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-BENZYL-ISOPROPYLAMINE  Mol. wt. 149.24	Colorless to yellow liquid Assay 97 to 102% Specific Gravity 0.895 at 25°C Refractive index 1.4995-1.5015 at 25°C % amine on steam distillation 18%	These properties suggest its use as a rust inhibitor in various applications. This secondary amine is also useful as an intermediate in various chemical syntheses such as preparation of quaternaries.	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net
N-METHYL-FORMANILIDE  Mol. wt. 135.16	Colorless to light yellow liquid Assay 95% min. by U.V. Refractive index 1.5570-1.5600 at 25°C Distilling range—95% distills—127 to 131°C at 16mm Hg	Used in the formulation of aromatic compounds using phosphorus oxychloride as a condensing agent	30 Gallon steel drum 200 lbs net 55 Gallon steel drum 400 lbs. net

NEW PRODUCTS FOR INVESTIGATION

SUMSTAR T. M. (Dialdehyde Starch)
Beta-Phenylethylamine
N-Benzyl Aniline
Acetyl Triallyl Citrate

N, N-Dibenzyl-N, N-Dimethyl Ammonium Chloride

p-Hydroxypropiophenone

N-Benzyl N, N, N-Trimethyl Ammonium Hydroxide (40% in Methanol)
(write for specifications and samples)

ANTIOXIDANTS

SUCONOX-4 SUCONOX-12
SUCONOX-9 SUCONOX-18

SUCONOX® is the trademark of a series of amides of p-Aminophenol having antioxidant properties.* They have found application in synthetic rubbers and other polymers, including polyethylene. Write for Technical Bulletin and samples.
*Patent No. 2,711,415

CITRIC ACID, USP

ISOASCORBIC ACID — SODIUM ISOASCORBATE

(Erythorbic Acid—Sodium Erythorbate)
Nontoxic antioxidants, extremely valuable in the frozen fruit, vegetable and fish industries where they inhibit changes in flavor and color.

PHARMACEUTICALS

CARBROMAL, N.F.

MEPHENESIN, N.F.

p-AMINOSALICYLIC ACID AND SALTS, U.S.P.

DEXTRO DESOXYEPHEDRINE HYDROCHLORIDE, U.S.P.

DEXTRO AMPHETAMINE SULFATE, U.S.P.

N-ACETYL-p-AMINOPHENOL (ACETAMINOPHEN).

Recognized as the active metabolite of acetanilide and phenacetin, producing an effective antipyretic-analgesic response for relief of simple headaches and fevers.

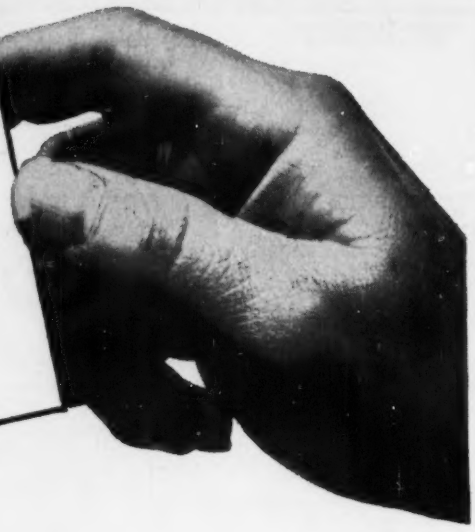
Information presented above is believed to be accurate but carries no guarantee or responsibility on the part of the Miles Chemical Company. In addition, none of this information can be taken as a recommendation to use the materials as described in violation of existing or future patents.

NOPCO®

A SKILLED HAND IN

Behind every Nopco product is more than 50 years' experience in formulating chemicals for industry. Nopco, organized in 1907, today supplies industrial processing chemicals, fine chemicals, vitamins and plastic foams to scores of customers throughout the nation each year.

At your service is the knowledge we have amassed—and highly diversified technical staffs consistently anticipating your needs in chemistry.



INDUSTRIAL DIVISION

DEFOAMERS

Nopco® Coating Defoamers: **for Paper**

Paste and liquid products compounded exclusively for paper converting. Eliminate entrapped air from starch, casein and synthetic latex coatings.

Nopco KF® Series: **for Paper**

Paste products developed for the elimination of foam and entrapped air in the manufacture of pulp, paper and board.

Nopco LD Series: **for Paper**

Liquid defoamers eliminate foam and entrapped air in the papermaking cycle. Ideally suited for continuous emulsification apparatus.

Nopco PD Series: **for Paints & Adhesives**

For water-based paints and adhesives. Consisting of both paste and liquid products, they provide economical defoaming with all types of synthetic latices.

DETERGENTS

Hyonic® FA Series: **for Detergent Compounding**

A group of conventional alkylolamide detergent bases widely used in making shampoos, dishwashing detergents, scrub soaps, heavy duty cleaning compounds, etc.

Hyonic LA Series: **for Detergent Compounding**

Hy-Purity alkylolamides. With a true amide content approaching 100%, these coconut oil and lauric acid derivatives are employed as thickeners and foam stabilizers for shampoos, liquid detergents, bubble bath preparations, and other detergent and cosmetic specialties.

Hyonic PE Series: **for Detergent Compounding**

Polyoxyethylene derivatives of aromatic and aliphatic bases, the members of this series constitute the most popular nonionic detergents in use today. Used with alkaline builders, anionics, etc., in compounding household detergents, laundry detergents, industrial cleaning compounds, etc.

Syntergent® Series: **for Textiles**

Nonionic and anionic-nonionic products, used in a variety of textile finishing operations: raw wool scouring, piece goods scouring, fulling, kier boiling, soaping off, wetting, rewetting, etc.

DISPERSING AGENTS

Nopcosant® Series: **for Paper, Paint, Textiles, etc.**

For dispersing solids in aqueous media. Widely employed as pitch dispersants in papermaking. Also used as fluidizing agents in various coatings.

Nopcowet® Series: **for Paints**

For grinding, wetting out and dispersing pigments in oil paints.

Tenlo® Series: **for Paints**

Reduce grinding time, silking and flooding of oil paints. Prevent hard settling of pigments during storage.

EMULSIFIERS

Nopalcol® Series: Polyethylene oxide fatty derivatives

Nopcogen® Series: Fatty amines and amides

Nopco Soap Series: Special sodium and potassium saponified fatty acids

Nopcosulf® Series: Sulfated oils

Trem® Series: Polyhydric alcohol esters

RESIN AND WAX EMULSIONS

Griffco® Series: **for Paints & Adhesives**

Polyvinyl acetate emulsions made in a variety of particle sizes for paint and adhesive compounding. Available from our Richmond, Calif., plant only.

Nopco EB Series: **for Adhesives**

Emulsions of natural and synthetic polymers. Used as tackifiers and extenders for latex-based adhesives. Highly compatible with both natural and synthetic latices. Promote films of excellent bond, flexibility and water resistance.

CHEMISTRY . . . AT WORK FOR YOU

Nopco Wax Sizes: **for Paper**

Petroleum wax or wax-rosin emulsions. Used as both internal and external sizes in the manufacture of paper and board. Contribute improved gloss, scuff resistance, pliability, printability and resistance to moisture, blood, grease, milk, acids, etc.

Polymul® Series: **for Paper & Textiles**

A highly versatile variety of polyethylene emulsions. They are employed in paper sizing, floor wax compounding, textile finishing, ceramic manufacture, protective coatings, etc.

METASAP® METALLIC SOAPS

(Metasap Chemical Company—a Nopco Subsidiary)

Aluminum	for use in making or processing	Grease
Barium		Vinyl Resins
Cadmium		Paint
Calcium		Cement
Lead		Ceramics
Lithium		Cosmetics
Magnesium		Lacquer
Zinc		Inks
Stearates		Explosives
Laurates		Petroleum Oils
Palmitates		Rubber
Cocoates		Waxes
Ricinoleates		Varnish

WATER-SOLUBLE LUBRICANTS

Durpon® Series: **for Metalworking**

Paste and liquid lubricants for drawing ferrous and nonferrous wire, tubes and rods. The Durpons insure excellent draws, extend die life, are nonstaining, and help prevent contamination of the draw bath.

Nopco ESI® Series: **for Paper**

Water-dispersible metallic soaps used as additives for paper coatings. The dispersions have a lubricating effect on starch- or casein-based coatings, improving the flow and leveling characteristics. There is also an improvement in moisture resistance, ink reception and opacity.

Nopcolene® Series: **for Leather**

Combining cationic, nonionic and anionic surfactants with raw oils, the Nopcolenes assure the proper degree of penetration into the leather, **plus** the correct amount of surface lubrication required of a particular leather type. Used with both chrome and vegetable tans.

Nopcolube® Series: **for Textiles**

Wax emulsions specially developed for warp sizing synthetic yarns. Used in combination with gelatin and the synthetic sizing agents for proper lubrication of the size film.

Nopcone® Series: **for Textiles**

Antistatic coning oils for all types of yarns featuring excellent coning performance, static elimination, and easy removal after knitting or weaving. Particularly effective with the newer, bulked yarns.

Nopcorol® Series: **for Metalworking**

Rolling oils for the production of steel, iron and nonferrous sheet. Compounded of high-grade mineral oils, plus emulsifying agents selected for their solubilizing, lubricating and nonstaining qualities.

Nopcostat® Series: **for Textiles**

Antistatic lubricants for processing natural and synthetic fibers. Provide optimum frictional characteristics and static elimination for the particular fiber type being processed.

Nopcotex® Series: **for Textiles**

A variety of non-yellowing softeners for all natural and synthetic fibers, yarns and fabrics. Compounded to contribute softness and fullness of hand, the Nopcotex products also lubricate yarns and fabrics, assisting such operations as sewing, cutting and trimming.

Tanoyl® Series: **for Leather**

Anionic fatliquors consisting of sulfated oils or sulfated oils blended with selected raw oils. There is a Tanoyl for every type of leather. Individual oils are compounded for such characteristics as good penetration, surface lubrication and nonspewing qualities, etc.

WATER-SOLUBLE RESINS

Modicol® Series: **for Paints & Adhesives**

Water-soluble polymers, used to thicken latex paints, adhesives, dipping baths, and the like. Being entirely synthetic products, the Modicols are not subject to the bacterial decomposition and hydrolytic changes which characterize natural gums, starches, etc. They provide an economical means of maintaining a constant viscosity in the product during use and storage.

Nopcosize® Series: **for Textiles**

Soluble salts of synthetic polymeric acids used as sizing agents for polyamide and polyester filament yarns. Impart abrasion resistance and pliability to the sized yarns.

Nopcotan™ Series: **for Leather**

Synthetic tanning agents of several chemical types developed for tanning or retanning and as tanning auxiliaries.

WETTING AGENTS

Nopco 1067 Series:	Sulfonated alkylated aromatics
Nopco 1179 Series:	Fatty amides
Nopco 1186 Series:	Sulfonated aliphatic diesters
Nopco 1285 Series:	Sulfated fatty esters
Nopco 1525 Series:	Alkyl aryl polyether alcohols
Nopco 2031 Series:	Sulfated fatty acids

PLASTICS DIVISION

NOPCOFOAM®	Polyether and polyester flexible foams available in sheets and slabs
NOPCO LOCKFOAM	Rigid and semi-rigid pour-in-place urethane foam system

FINE CHEMICALS DIVISION

Produces vitamins, amino acids, antibiotics, and growth stimulants for the feed, food and pharmaceutical industries

Vitamin A Acetate
Vitamin A Palmitate
Vitamin A—dry, water dispersible
Vitamin D_2—dry
Vitamin D_3 in vegetable oil
Vitamin D_3 in vegetable oil
Thiamine Hydrochloride
Thiamine Mononitrate
Riboflavin, U.S.P.
Riboflavin-5'-Phosphate Sodium
Calcium Pantothenate-dextrorotatory U.S.P. (d-calcium Pantothenate)
Calcium Pantothenate-racemic U.S.P. (dl-Calcium Pantothenate)
d-Panthenol
dl-Panthenol
Niacin, U.S.P.
Niacinamide, U.S.P.
Niacinamide, free flowing
Pyridoxine Hydrochloride
d-Biotin
Ascorbic Acid
Vitamin E—all forms
Beta Alanine
Calcium Beta Alanate
dl-Lactone
Butylated Hydroxy Toluene

GRIFFIN DIVISION

Griffin Plasticizers

Diisooctyl Adipate
Diisodecyl Adipate
Dioctyl Adipate
Dibutyl Phthalate
Diisodecyl Phthalate
Diisooctyl Phthalate
Dioctyl Phthalate
Dibutyl Sebacate
Diisooctyl Sebacate
Dioctyl Sebacate
Dioctyl Diglycolate

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Cedartown, Ga. · London, Canada

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Division: (Plastics)

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520 N. Michigan Ave. (11)
Division: (Inorganic—Organic—Plastics)

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Division: (Inorganic—Organic)

Seattle, Wash.
911 Western Ave. (4)
Division: (Organic—Plastics)

Springfield, Mass.
812 Monsanto Ave. (2)
Division: (Plastics)

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Acids and Industrial Acidifying Agents • Adhesives, Wood Bonding Agents • Agricultural Chemicals • Asphalt • Chemical Intermediates • Detergent Builders, Surface Active Agents, Water Conditioning Compounds • Food Processing Chemicals: Flavors, Condiments and Preservatives • Fuels • Leavening Agents • Pharmaceuticals, Disinfectants, Bacteriostats, Fungicides • Plasticizers • Plastics, Extruding and Calendering Materials • Plastics • Fabricating Materials • Plastics, Laminating Materials • Plastics, Molding Compounds • Protective Coating Materials • Resins, Coating • Resins, Industrial Resin Intermediates • Industrial Specialty Products.

Monsanto invites your inquiries on chemical compounds, plastics, resins and petroleum products needed in your manufacturing. Hundreds of Monsanto products serve virtually every industry . . . as raw materials for formulation, as building blocks in other chemicals manufacturing, as processing aids for special industries.

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▲ Limestone

● Lime and Limestone

★ Gypsum Rock

✶ Asbestos



Your service map for Lime, Gypsum and Asbestos

PRODUCT	FORM	SHIPPING POINTS
High Calcium Lime	Pebble, Ground, Pulverized, Hydrated	Bellefonte, Pa. Kimballton, Va.
High Calcium Limestone	Ground and Pulverized (16 to 325 mesh)	Bellefonte, Pa. York, Pa. Kimballton, Va.
Dolomitic Lime	Ground, Hydrated	Gibsonburg, Ohio
Dolomitic Limestone	Ground and Pulverized (16 to 325 mesh)	
Gypsum Rock	Sized to Specifications	Burlington, N. J. Baltimore, Md. Clarence Center, N. Y. Rotan, Texas Shoals, Ind. Ft. Dodge, Iowa Tawas, Mich. Medicine Lodge, Kan.
Asbestos	Fibers, Shorts and Floats	Thetford Mines, Que.

These 13 Gold Bond Plants are located *for your convenience.* Your lime, limestone, gypsum rock or asbestos order is sent to the plant by teletype, arriving in a matter of minutes. It's filled promptly and shipped *direct to you* at the lowest possible freight cost. Covered cars are available for extra protection of gypsum products.

Every Gold Bond order is protected by constant quality analysis and careful size control at the plant. Your special requests get individual attention from Gold Bond's field technicians, *and* at our well-staffed Research Center in Buffalo. They can help you with your production or cost control problems. Why not call your Gold Bond® representative, or write Dept. CW-99.

NATIONAL GYPSUM COMPANY, BUFFALO 13, NEW YORK

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INDUSTRIAL PRODUCTS

a step ahead of tomorrow

SURFACE-ACTIVE AGENTS

YOU CAN ALWAYS RELY ON ONYX BY ONYX

for the particular surfactant that fits your needs. Available in large commercial quantities or for research purposes, Onyx surface-active agents fulfill a wide variety of uses, too numerous to list in detail. Below is a partial listing of the wide range of products developed by the Onyx Oil & Chemical Co. over fifty years of research and production in the field of organic chemicals. For complete data on these and other Onyx products write for our latest catalog SA. A member of our laboratory staff will be pleased to consult with you about a specific problem... at no obligation of course.

PRODUCT		DESCRIPTION	PERCENT ACTIVE	PHYSICAL STATE	APPLICATION
QUATERNARIES	Ammonyx 4	Formulated stearyl dimethyl benzyl ammonium chloride	25	Paste	Anti-static and conditioning agents for cosmetics
	Ammonyx 4002	Stearyl dimethyl benzyl ammonium chloride	100	Powder	
	Ammonyx CO	Cetyl dimethyl amine oxide	20	Liquid	Wetting, emulsifying
	BTC 824	Alkyl dimethyl benzyl ammonium chloride	50	Liquid	Disinfectant, deodorant, germicide, fungicide
	BTC 927	Alkyl dimethyl dimethylbenzyl ammonium chloride	50	Liquid	
	Onyxide Series	Alkenyl dimethyl ethyl ammonium bromide	75	Paste	Algicide
	Tetrosan 3, 4D	Alkyl dimethyl 3,4 dichlorobenzyl ammonium chloride	60	Liquid	Disinfectant, deodorant, germicide, fungicide
NON-IONICS	Neutronyx 600 Series	Alkylphenol polyglycol ether containing from 4 to 30 moles ethylene oxide	100	Liquid	Detergent, wetting, emulsifying, dispersing
	Onyx-ol 336 & Onyx-ol 345	Lauric acid diethanolamine condensate	97	Liquid	Foam stabilizer, detergent, wetting, dispersing and thickener
	Onyx-ol 368	Lauric acid isopropanolamine condensate	97	Powder	Foam stabilizer
	Super Amide Series	High activity diethanolamine condensates	75-90	Liquid to solid	Foam stabilizers, emulsifiers and thickeners
SULFONATED OILS		Castor, soya, sperm, tallow	Various	Liquid	Detergent, dispersing
LAURYL SULFATES	Maprofix ES	Sodium lauryl ether sulfate	28	Liquid	Detergent, wetting, foaming and dispersing agents for industrial, cosmetic and pharmaceutical applications
	Maprofix LK	Sodium lauryl sulfate	90	Powder	
	Maprofix WA Series	Sodium lauryl sulfate	30	Liquid to paste	
	Maprofix 563	Sodium lauryl sulfate	99	Powder	
	Maprofix NH	Ammonium lauryl sulfate	30	Liquid	
	Maprofix TLS Series	Triethanolamine lauryl sulfate	40-75	Liquid to paste	
ANTI-STATIC AGENTS	Aston 108 & Aston LT	Thermosetting Polyamine	20	Liquid	Durable anti-static agents
	Aston R	Cationic polyamine	50	Paste	Anti-static agents, water and solvent soluble
	Aston AP	Cationic polyamine	50-100	Liquid	

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Jersey City 2, N. J.

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Butyl Alcohol
Secondary Butyl Alcohol
Cyclohexanol
Isopropyl Alcohol
Normal Propanol
Methyl Amyl Alcohol
(Methyl Isobutyl Carbinol)
Isobutanol

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Gluconic
Acetic
Phosphoric
Muriatic

ALKALIES
Caustic Soda
Caustic Potash
Detergents
Wetting Agents

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Anhydrous Aqua

AMINES
Diethanolamine
Monoethanolamine
Morpholine
Triethanolamine

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Xylol
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Chlorothene®
Chloroform
Carbon Tetrachloride
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ESTERS
Amyl Acetate
Butyl Acetate
Secondary Butyl Acetate
Methyl Amyl Acetate
Ethyl Acetate
Isopropyl Acetate
Isobutyl Acetate

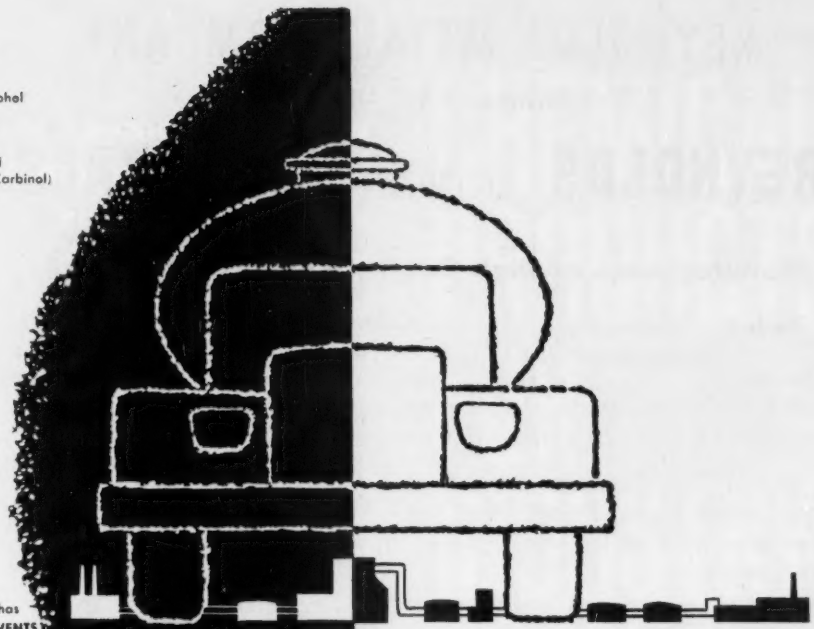
GLYCOLS & DERIVATIVES
Ethylene Glycol
Ethylene Glycol Antifreeze
Diethylene Glycol
Hexylene Glycol
Triethylene Glycol
Ethylene Glycol-Methyl Ether
Ethylene Glycol-Butyl Ether
Ethylene Glycol-Ethyl Ether

KETONES
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Cyclohexanone
Diacetone Alcohol
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Diisobutyl Ketone
Methyl Acetone

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Manufacturers of High Quality Aluminum Chemicals

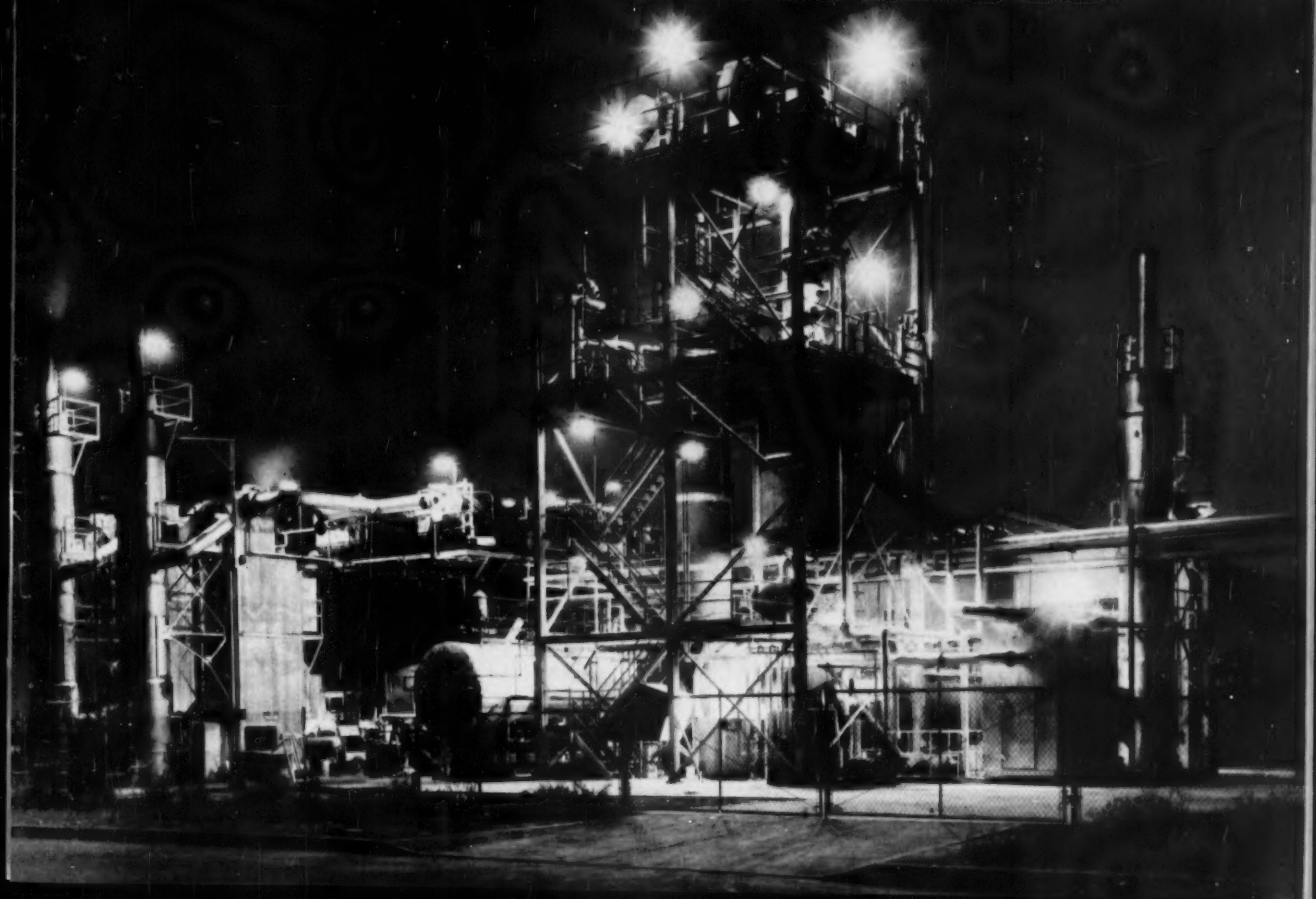
From Reynolds you have a basic new source of important aluminum chemicals . . . a source that is working to bring you better products at lower cost. The introduction by Reynolds of all white organic free alumina trihydrate at regular prices, plus the improved quality of calcined alumina without increasing price is evidence of Reynolds pioneering in the chemical industry.

Product Data Sheets, samples and prices will be sent on request. Call the nearest Reynolds Sales Office, listed under "Aluminum" in classified telephone directories, or write Reynolds Metals Company, P. O. Box 2346-CN, Richmond 18, Virginia.

PRODUCT	GRADES	APPLICATIONS	SHIPPING
Calcined Aluminas Al_2O_3	R-2003. High alpha alumina content. Maximum total water 0.4%. R-2005. Low soda content.	Abrasives, refractories, ceramics. Electrical ceramics.	From Bauxite, Ark., in bulk or in 100 lb bags or 350 lb steel drums.
Hydrated Aluminas $Al_2O_3 \cdot 3H_2O$	R-5002. White reactive product with 0.003% maximum Fe_2O_3 content. R-5003. White reactive grade with minimum insoluble content. R-5005. Very reactive grade having particle size of approximately one micron.	Aluminum compounds, heat resistant glass, ceramic bodies, catalysts, mold coatings, and pigments.	From Bauxite, Ark., in bulk or in 100 lb 5-ply paper bags.
Activated Aluminas $Al_2O_3 \cdot xH_2O$	R-2101. A non-deliquescent regenerative desiccant effective in removing water and fluorine from many liquids and gases. R-2102. Similar to R-2101 with slightly lower adsorptive capacity.	Dehumidification, defluoridation, catalytic cracking of petroleum.	From Bauxite, Ark., in 100 lb foil-lined paper or burlap bags or in 100 or 400 lb steel or fiber drums.
Fluorides: Cryolite, $3NaF \cdot AlF_3$ Aluminum Fluoride, AlF_3	Reduction or fluxing grades.	Fluxing in nonferrous metallurgy and ceramics.	From Bauxite, Ark., in 600 lb steel drums or bulk.
Aluminum Powders Al	Aluminum deoxidizing shot. Granular aluminum powder: H PS-10 200-X 300-X Atomized aluminum powders: #1240R #12120 #40 #120 #400 High purity 99.99% aluminum.	Reduction in ferrous metallurgy and anhydrous aluminum chloride. For production of metallic calcium, sodium, etc. Also for furnace hot-top compounds; as pigments in plastics; thermite reactions; pyrotechnics; flares & explosives; as reducting agent in production of alum and titanium dioxide pigments. Catalysts.	Deoxidizing shot from Bellwood plant, Richmond, Va. in 100 lb burlap bags. Granular powder from Louisville, Ky. in steel drums. From Louisville, Ky. Offered in steel drums in various sizes upon request. Sheffield, Ala.

BASIC CHEMICALS
RESINS • EMULSIONS
PLASTICS • COLORS
ADHESIVES
PLASTICIZERS

CHEMICAL PRODUCTS FOR INDUSTRY FROM REICHHOLD



INDUSTRIAL CHEMICALS

FORMALDEHYDE — An important raw material in the manufacture of resins, adhesives, textiles, leather, rubber and numerous other products. It is marketed by RCI in five different concentrations.

GLYCERINE — Used in the manufacture of synthetic resins, pharmaceuticals, cosmetics, food products and as a humectant.

HYDROCHLORIC ACID — Has wide application in the chemical industry for pickling and cleaning metals, processing textiles, refining ores and in the manufacture of chemicals generally.

MALEIC ANHYDRIDE — Principally used in the manufacture of synthetic resins, synthetic drying oils, and related products. Its highly reactive structure lends itself to the synthesis of complex organic chemicals by the Diels-Alder process.

METHANOL — A widely used solvent and chemical intermediate for the manufacture of formaldehyde, rocket fuels, amines and esters.

ORTHO-PHENYLPHENOL — A very effective fungicide and bactericide used in many industrial applications for outstanding preservation.

PENTACHLOROPHENOL — Used in various fungicides, bactericides, algicides and herbicides; in agriculture, lumber, pulp and paper applications.

SODIUM PENTACHLOROPHENATE — The water soluble salt of penta used to prevent microbiological attack on many organic substances such as wood, adhesives, protein materials.

PENTAERYTHRITOL — Used primarily in the manufacture of alkyd resins. Imparts better film properties such as high gloss retention, good durability, faster drying. Used also in ester gums and synthetic drying aids.

PHENOL — A building block in the plastics industry. Also widely used in the intermediates required for the production of synthetic detergents, lubricating oil additives, insecticides, bactericides and pharmaceuticals.

PHTHALIC ANHYDRIDE — Used extensively in the manufacture of alkyd and polyester resins, plasticizers, organic pigments and dyestuffs, and pharmaceuticals, as well as other fine chemical intermediates.

SEBACIC ACID — Sebacic acid esters are finding increased usage as plasticizers for PVC systems and in low temperature aircraft lubricants.

SODIUM SULFITE — Primarily used by the paper industry in the manufacture of kraft paper and fiber board by the semi-chemical hard wood process.

SULFURIC ACID — A basic commodity used in the paper, dye and pigment, textile, fertilizer and organic chemical industries.

SURFACE COATING MATERIALS

RESINS

BECKOSOL — Alkyd resins: phenolated, phthalic-free, rosin modified, drying oil and non-drying oil types — for a wide variety of surface coating requirements.

SUPER-BECKOSOL — Isophthalic acid alkyds . . . widely used as vehicles for premium surface coatings.

SUPER-BECKAMINE — Melamine-formaldehyde resins for automotive finishes and appliance enamels.

WALLKYD — Drying oil alkyd resins for flat wall vehicles (including thixotropic types and vehicles specially developed for use with odorless solvents).

BECKAMINE — Thermosetting urea-formaldehyde resins for use in giving special properties to alkyd vehicles.

SUPER-BECKACITE — Pure phenolic resins, both oil reactive and non-reactive types, for finishes with exceptional durability.

BECKACITE — Maleic, fumaric and modified phenolic resins offered in a wide range of prices to meet any cost problem in varnish vehicle and ink manufacturing.

POLYLITE — Polyester resins specifically developed for metal, wood, and masonry coatings with outstanding properties.

EPOTUF — A complete line of epoxy resins and hardeners especially suited to production of corrosion resistant metal coatings. Choose either liquid resins or resin solids in solution. Esters available, too.

STYRESOL — Styrenated alkyd resins.

PENTACITE — Pentaerythritol resins.

BECKOPOL — High melt point modified phenolic resins.

LUSTRASOL — Acrylic and acrylic-modified alkyd solutions.

WATEREZ — Alkali-dispersible modified alkyd resins.

EMULSIONS

WALLPOL — Homopolymer and copolymer polyvinyl acetate emulsions for wall sealers, flat wall coatings, spackling compounds, and exterior stucco and masonry paints that are easy to formulate, easy to use.

SYNTHEMUL — Acrylic emulsions for the manufacture of aqueous architectural and industrial finishes, floor polishes and paper coatings . . . alkyd emulsions for water-thinned architectural and industrial finishes with properties approximating those of solvent-thinned enamels.

INORGANIC CHEMICAL PIGMENT COLORS

IRON BLUES

•

CHROME YELLOWS

•

CHROME GREENS

•

ZINC YELLOWS

•

MOLYBDATE ORANGES

PLASTIC MATERIALS

POLYLITE — Polyester resins for press molding, laminating, casting, structural layup, impregnating, encapsulating, rigid polyurethane foam production, surface coating, corrugated and flat sheet production and matched die molding.

PLYOPHEN — Liquid and powdered phenolic resins for every major application including brake linings, battery separators, resinoid grinding wheels, wood waste molding, decorative laminate core stock, casting, hot and cold punching stock, gear stock, rolled tubing, insulation bonding, plastic faced plywood and surface coating.

EPOTUF — Epoxy resins for sealing, bonding, casting, potting and encapsulating applications. They give excellent electrical, thermal and mechanical properties.

DIARON — Liquid water soluble melamine resins for preparing and applying decorative laminate overlays.

PEROXIDOL — Epoxidized polymeric plasticizers for vinyl products. Give outstanding heat, light and water resistance.

MONOMERIC PLASTICIZERS — Dibutyl Phthalate Butyl Decyl Phthalate • Dicapryl Phthalate • nOctyl Decyl Phthalate Didecyl Phthalate • Dicyclohexyl Phthalate • Diisooctyl Phthalate Isooctyl Decyl Phthalate • Dioctyl Phthalate • Butyl Octyl Phthalate Diethyl Phthalate • Dimethyl Phthalate • Dioctyl Fumarate • Dibutyl Fumarate • nOctyl Decyl Adipate • Dioctyl Adipate • Didecyl Adipate • Isooctyl Decyl Adipate • Dibutoxyethyl Adipate Dibutyl Sebacate • Dioctyl Sebacate.

FOUNDRY PRODUCTS

COROVIT — self-curing binders

FOUNDREZ — synthetic resin binders

coRCIment — core oils

INDUSTRIAL ADHESIVES

PLYACIEN — Protein glues.

PLYAMINE — Urea-formaldehyde adhesives.

FORAMINE — Urea-formaldehyde particle board binders.

PLYOPHEN—Phenol-formaldehyde and resorcinol adhesives.

FORASITE — Phenol-formaldehyde particle board and hard board binders.

DIARON — Powdered melamine adhesives.

PLYAMUL — Polyvinyl acetate emulsion adhesives.

TEXTILE TREATING MATERIALS

Reichhold's comprehensive line of textile resins and emulsions includes materials to increase resistance to wrinkle, stretch and snag; to control shrinkage; modify hand; improve anti-slip finishing; and enhance pigment printing and fabric coating and binding.

FABREZ — cyclic ethylene urea resins.

FABREZ — urea-formaldehyde resins.

SYNTHEMUL — alkyd and acrylic emulsions.

PLYAMUL and WALLPOL — PVAc emulsions.

Many of Reichhold's industrial chemicals (listed on the opposite page) are also widely used in the textile industry.

PAPER MAKING MATERIALS

RCI offers the paper manufacturer a quality line which includes **WET STRENGTH RESINS • PLASTICIZING RESINS • RESINOUS COATINGS • RESINS FOR STARCH-CLAY COATINGS • CHEMICAL PIGMENT COLORS • PVAc EMULSIONS • SODIUM SULFITE.**

Where you can buy from

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Detroit, Michigan
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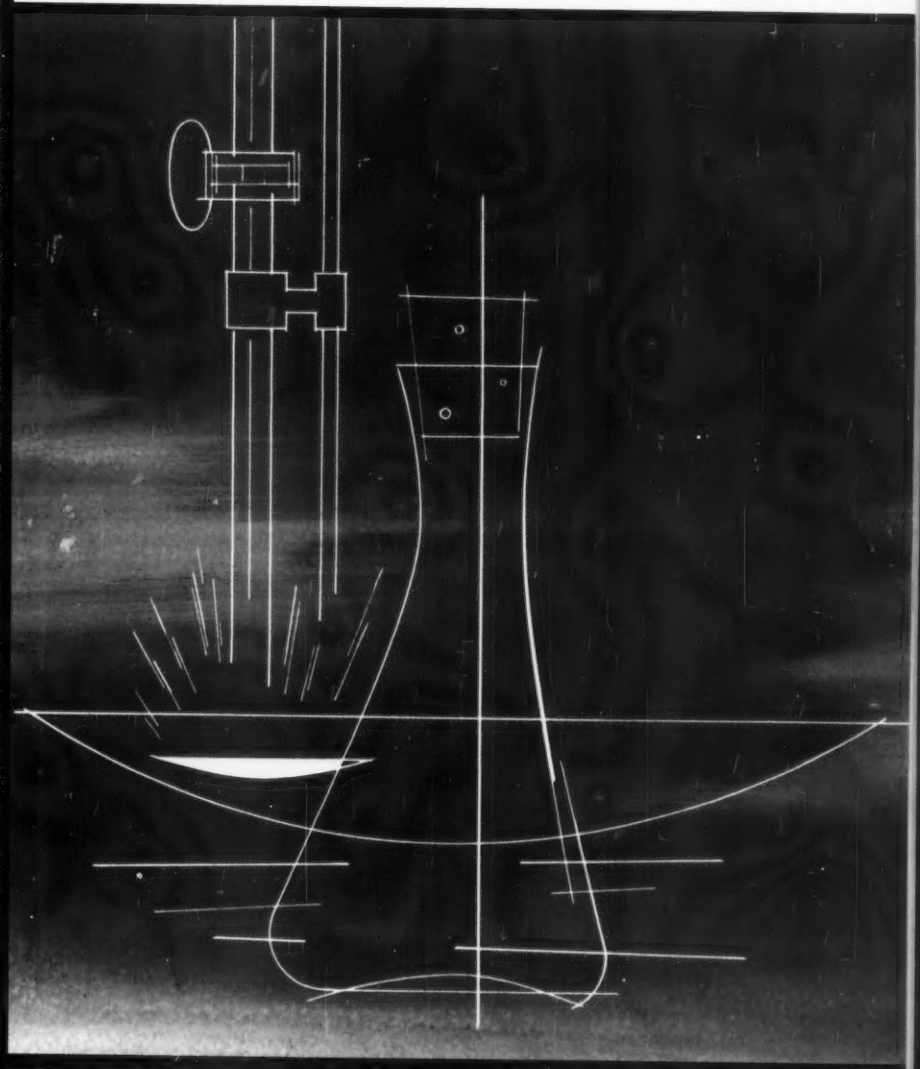
1._____ **FOR** _____
(RCI PRODUCT) (YOUR APPLICATION)

2._____ **FOR** _____
(RCI PRODUCT) (YOUR APPLICATION)

3._____ **FOR** _____
(RCI PRODUCT) (YOUR APPLICATION)

4._____ **FOR** _____
(RCI PRODUCT) (YOUR APPLICATION)

Sinclair
SOLVENTS and CHEMICALS



Sinclair T. M.

Sinclair Petrochemicals, Inc.

TYPICAL

SINCLAIR ALIPHATIC SOLVENTS

NAME OF TEST	S & L NAPHTHA	RUBBER SOLVENT	V M & P NAPHTHA	ROTO NAPHTHA	No. 50 NAPHTHA	No. 55 NAPHTHA	SOLVENT (MINERAL SPIRITS) (MIDWEST)	SOLVENT (MINERAL SPIRITS) (GULF COAST)	SOLVENT (MINERAL SPIRITS) (EAST COAST)	SOLVENT T
SOLVENCY:										
KAURI-BUTANOL VALUE	35.8	34.4	37.5	38.1	37.5	30.0	35.9	36.6	37.3	36.8
ANILINE POINT °C	56.8	56.7	53.2	54.6	56.0	20.0	60.0	60.2	56.8	60.4
MIXED ANILINE POINT °C	–	–	–	–	–	–	–	–	–	–
VOLATILITY:										
FLASH TCC °F					50	56	108	108	108	119
FLASH PM °F					–	–	114	112	111	122
DISTILLATION °F										
IBP	108	111	190	204	240	245	318	318	318	326
5%	134	134	198	214	243	250	326	326	322	331
10%	156	144	204	217	245	252	328	331	326	333
50%	210	185	222	237	250	260	336	344	336	344
90%	263	245	252	272	257	272	352	364	360	360
95%	275	–	260	285	260	278	356	373	368	368
DRY POINT	308	268	292	296	272	285	364	392	386	386
END POINT	318	278	322	308	284	292	376	396	396	390
COMPOSITION:										
NAPHTHENES %	30.8	21.3	41.7	38.0	37.6	9.5	51.1	35.2	47.9	35.5
PARAFFINS %	65.2	71.8	51.3	56.1	56.3	86.5	36.8	54.2	37.7	53.1
AROMATICS %	3.4	5.6	5.4	4.9	5.3	2.0	11.2	10.1	13.0	10.8
OLEFINS %	0.6	1.3	1.6	1.0	0.8	2.0	0.9	0.5	1.4	0.6
BROMINE NUMBER	0.6	0.2	0.4	0.5	0.5	3.5	1.1	1.2	0.5	1.0
SULFUR %	0.011	0.010	0.012	0.006	0.012	0.002	0.018	0.009	0.015	0.010
HYDROGEN SULFIDE %										
SULFUR DIOXIDE %										
GENERAL:										
API GRAVITY	65.5	69.9	62.0	58.5	58.1	65.0	48.9	49.2	49.0	49.4
SPECIFIC GRAVITY 60/60 °F	0.7183	0.7026	0.7313	0.7447	0.7463	0.7201	0.7844	0.7731	0.7839	0.7822
POUNDS PER GALLON	5.979	5.848	6.087	6.199	6.213	5.994	6 530	6.520	6.526	6.512
COLOR, SAYBOLT	30+	30+	30+	30+	30+	30+	30+	30+	30+	30+
COLOR, NPA	–	–	–	–	–	–	–	–	–	–
ACID WASH COLOR	–	–	–	–	–	–	–	–	–	–
POUR POINT °F	BELOW –70	BELOW –80	BELOW –70	BELOW –70	BELOW –70	BELOW –80	BELOW –80	–90	BELOW –70	–90
ODOR	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
KINEMATIC VISCOSITY @ 100°F, C.S.	0.554	0.540	0.600	0 652	0.680	0.640	1.017	1.060	0.970	1.100
DOCTOR	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE PASSES	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE
CORROSION, Cu STRIP										
3 hrs. @ 122°F	1		1	1	1					
3 hrs. @ 212°F							1	1	1	1
3 hrs. @ Boiling Pt.		1								

*The values shown are from actual laboratory tests of the products as manufactured and are subject to minor tolerances.

TEMPERATURE CONVERSION CHART

C.		F	C		F	C		F	C		F	C		F
–73.3	**–100**	–148	4.44	**40**	104.0	43.9	**111**	231.8	68.9	**156**	312.8	101.1	**214**	417.2
–67.8	**–90**	–130	7.22	**45**	113.0	44.4	**112**	233.6	73.9	**165**	329.0	102.8	**217**	422.6
–62.2	**–80**	–112	10.0	**50**	122.0	45.6	**114**	237.2	76.7	**170**	338.0	105.6	**222**	431.6
–56.7	**–70**	–94	11.7	**53**	127.4	48.3	**119**	246.2	82.2	**180**	356.0	110.0	**230**	446.0
–23.3	**–10**	+14.0	12.2	**54**	129.2	50.0	**122**	251.6	85.0	**185**	365.0	110.6	**231**	447.8
–13.3	**8**	46.4	13.3	**56**	132.8	51.1	**124**	255.2	87.8	**190**	374.0	113.9	**237**	458.6
–12.8	**9**	48.2	15.6	**60**	140.0	52.2	**126**	258.8	91.1	**196**	384.8	115.6	**240**	464.0
–12.2	**10**	50.0	25.0	**77**	170.6	56.7	**134**	273.2	91.7	**197**	386.6	117.2	**243**	469.4
–10.0	**14**	57.2	25.6	**78**	172.4	58.9	**138**	280.4	92.2	**198**	388.4	118.3	**245**	473.0
–6.67	**20**	68.0	27.8	**82**	179.6	61.1	**142**	287.6	94.4	**202**	395.6	121.1	**250**	482.0
–2.78	**27**	80.6	28.3	**83**	181.4	62.2	**144**	291.2	95.6	**204**	399.2	122.2	**252**	485.6
–1.67	**29**	84.2	29.4	**85**	185.0	63.9	**147**	296.6	96.7	**206**	402.8	125.0	**257**	494.6
–0	**32**	89.6	42.2	**108**	226.4	65.6	**150**	302.0	98.9	**210**	410.0	126.7	**260**	500.0

TESTS*

SINCLAIR AROMATIC SOLVENTS

ODORLESS SOLVENT LIGHT	ODORLESS SOLVENT HEAVY	TOLUOL NITRATION GRADE (1°C)	XYLOL 5 DEGREE (5°C)	No. 18 SOLVENT	No. 25 SOLVENT	No. 27 SOLVENT	No. 30 SOLVENT	No. 35 SOLVENT	No. 45 SOLVENT	No. 110 SOLVENT	TEST METHOD
27.6	26.2	105	98.7	–	77.6	–	75.0	70.8	–	94.2	ASTM D1133-54T
83.9	85.9	–	–	–	–	–	–	–	10.6	–	ASTM D611-55T
–	–	8.9	9.4	29.4	27.0	29.8	29.1	32.4	–	14.7	ASTM D611-55T
124	147	40	82	170	112	147	122	138	202	112	ASTM D56-56
126	150	–	–	180	114	156	126	142	206	114	ASTM D93-52
348	376	230.4	281	348	310	356	333	352	419	320	ASTM D86-56
352	380	230.5	282	408	314	376	336	358	442	321	
353	384	230.7	282	428	318	384	338	360	460	322	
358	396	230.8	283	512	328	428	348	368	494	326	
373	428	230.8	283	600	356	494	364	380	544	329	
380	442	230.9	284	630	373	512	373	384	564	331	
392	458	231.1	285	–	384	–	380	392	600	336	
398	460	–	–	664	390	538	390	396	610	353	
–	–	0.0	0.0	11.5	2.4	21.2	21.3	25.6	27.3	0.5	
–	–	0.1	0.1		19.6		0.5	0.0		1.0	
–	–	99 9	99.9	88.5	78.0	78 8	76.3	72 0	68.2	98.5	
–	–	0.0	0.0	0.0	0.0	0.0	1.9	2.4	4.5	0.0	
1.9	10.0	–	–	8.3	1.2	7.6	2.5	2.8	18.4	0.3	ASTM D1158-57T
0.003	0.004	–	–	3.66	–	2.31	0.021	0.024	0.12	–	ASTM-1266-57T
		NONE	NONE								ASTM-853-47
		NONE	NONE								ASTM-853-47
54.8	53.6	31.0	31.0	18.9	34.4	26.1	32.8	32.0	19.9	30.4	ASTM D287-55
0.7595	0.7645	0.8708	0.8708	0.9408	0.8529	0.8978	0.8612	0.8654	0.9346	0.8740	ASTM D287-55
6.323	6.365	7.251	7.251	7.835	7.102	7.476	9.171	7.206	7.783	7.278	ASTM D287-55
30+	30+	30+	30+	–	30+	–	30+	30+	–	30+	ASTM D156-53T
–	–	–	–	3½–	–	1½–	–	–	3½	–	ASTM D155-45T
–	–	1–	1–	–	–	–	–	–	–	–	
BELOW –100	BELOW –100			BELOW –10	BELOW –80	BELOW –10	BELOW –40	BELOW –40	BELOW –40	BELOW –80	ASTM D97-57
NONE	NONE	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	
1.390	1.900			2.79	0.812	1.53	0 892	1.040	2.460	0.782	ASTM D445-53T
NEGATIVE	NEGATIVE	NEGATIVE PASSES	NEGATIVE PASSES		NEGATIVE PASSES		NEGATIVE	NEGATIVE		NEGATIVE PASSES	ASTM D484-52
1	1			1		1	1	1			ASTM D130-56
											ASTM D130-56
											ASTM D130-56

C		F	C		F	C		F	C		F	C		F
128.3	**263**	505.4	154.4	**310**	590.0	173.3	**344**	651.2	196.7	**386**	726.8	281.1	**538**	1000.4
131.1	**268**	514.4	156.7	**314**	597.2	175.6	**348**	658.4	198.9	**390**	734.0	284.4	**544**	1011.2
133.3	**272**	521.6	158.9	**318**	604.4	177.8	**352**	665.6	200.0	**392**	737.6	295.6	**564**	1047.2
135.0	**275**	527.0	160.0	**320**	608.0	178.3	**353**	667.4	202.2	**396**	744.8	315.6	**600**	1112.0
137.2	**279**	534.2	160.6	**321**	609.8	180.0	**356**	672.8	203.3	**398**	748.4	321	**610**	1130
138.3	**281**	537.8	161.1	**322**	611.6	181.1	**358**	676.4	208.9	**408**	766.4	332	**630**	1166
138.9	**282**	539.6	163.3	**326**	618.8	182.2	**360**	680.0	215.0	**419**	786.2	351	**664**	1227
139.4	**283**	541.4	164.4	**328**	622.4	184.4	**364**	687.2	220.0	**428**	802.4			
140.0	**284**	543.2	165.0	**329**	624.2	186.7	**368**	694.4	227.8	**442**	827.6			
140.6	**285**	545.0	166.1	**331**	627.8	189.4	**373**	703.4	236.7	**458**	856.4			
144.4	**292**	557.6	167.2	**333**	631.4	191.1	**376**	708.8	237.8	**460**	860.0			
146.7	**296**	564.8	168.9	**336**	636.8	193.3	**380**	716.0	256.7	**494**	921.2			
153.3	**308**	586.4	170.0	**338**	640.4	195.6	**384**	723.2	266.7	**512**	953.6			

NOTE:—To convert from Fahrenheit to Centigrade, begin with the column of numbers in bold type and read the desired conversion from the column to the left. To convert from Centigrade to Fahrenheit, follow the same procedure using the column to the right.

INTERPOLATION FACTORS

°C		°F	°C		°F
0.56	**1**	1.8	3.33	**6**	10.8
1.11	**2**	3.6	3.89	**7**	12.6
1.67	**3**	5.4	4.44	**8**	14.4
2.22	**4**	7.2	5.00	**9**	16.2
2.78	**5**	9.0	5.56	**10**	18.0

OTHER CHEMICALS FROM SINCLAIR INCLUDE:

PARAXYLENE (98% minimum)

Typical tests

Paraxylene (wt. %)	98.3
Specific gravity, 60/60 F	0.866
Paraffins (vol. %)	Less than 0.1
Mixed aniline point °F	53
Acid wash color	0
Flash point, TCC, °F	82
Bromine number	0.03
Distillation, °C	
IBP	138.2
DP	138.4

PROPYLENE (99% minimum)

Typical tests

Mono-olefins	
Propylene (wt. %)	99.39
Other	0 ppm
Paraffins	
Ethane	100 ppm
Propane	0.6%
Non-hydrocarbons	
Oxygen	6 ppm
Nitrogen	10 ppm
Carbon dioxide	6 ppm
Water	25 ppm
Sulfur	4 ppm

DURENE

(1, 2, 4, 5—tetramethylbenzene)

Typical tests

	99% Min.	95% Min.
Boiling point/range °C/760 mm.	196.6	196-197
Melting point °C	78.8	77.0
Refractive index n_D^{82}	1.4840	1.4838
Specific gravity d_4^{80}	0.8390	0.8387
Flash point (COC) °F	165	165
Durene (wt. o/o minimum)	99	95

SULFONATE S-40

Typical tests

Sulfonate, %	41.50
Sodium carboxylate	.95
Salt, %	1.08
Water, Fisher method, %	4.37
Oil, %	52.10
Pounds per gallon	8.61
Pour point, °F	45
Sulfated residue, %	8.12
Molecular weight	461
Suggested dosages	Weight and
Product	Sulfonate S-40
General purpose soluble oils	25 – 40
Grinding oils	35 – 55
E.P. soluble oils	40 – 55

ANHYDROUS AMMONIA

Commercial Grade	Ammonia, wt. %	99.5 min.
Refrigeration Grade	Ammonia, wt. %	99.95 min.

AQUA AMMONIA

Ammonia, wt. % 29.4 min.

AMMONIUM NITRATE SOLUTION

Ammonium Nitrate, wt. % 83.0 min.

NITROGEN SOLUTIONS

334 (10 – 72 – 0)
370 (17 – 67 – 0)
410 (22 – 65 – 0)
410 (26 – 56 – 0)
414 (19 – 66 – 6)
450 (25 – 69 – 0)
471 (30 – 64 – 0)
490 (34 – 60 – 0)
530 (49 – 36 – 0)

SULFUR

ADDITIVES

RD – 107	Oxidation inhibitor
RD – 132	Turbine oil oxidation inhibitor
RD – 145	Multi-purpose gear lubricant additive
RD – 155	Oil-soluble rust inhibitor

DEVELOPMENT CHEMICALS

Technical data and samples of development chemicals are available.

ISO-OCTENYL ALCOHOL

Possesses the usual reactivity of a primary alcohol, and in addition, has the functional reactivity of the double bond. Possible derivatives which may be produced are epoxides, esters and others. These may find value as plasticizers, insecticides, epoxy resin solvents or reactive monomers.

ISO-OCTENYL CHLORIDE

By virtue of its 100% allylic nature, this material may be used in many applications where extreme reactivity of allyl chloride is undesirable; and will find application in manufacture of resins of unusual properties.

C_{18} OLEFINS

May be used as an alkylating agent. Use expected in manufacture of detergents of higher hydrophobic character.

Sinclair Petrochemicals, Inc.

SUBSIDIARY OF SINCLAIR OIL CORPORATION

600 Fifth Avenue, New York 20, N. Y.

155 North Wacker Drive, Chicago 6, Ill. • 4415 Chestnut Street, Philadelphia, Pa.

These are the Products of

Stauffer CHEMICALS SINCE 1885

STAUFFER CHEMICAL COMPANY

The numbers in color at or near end of each item indicate shipping points shown at bottom of pages 2 and 3.

ALUM, AMMONIA, N. F.:
$Al_2(SO_4)_3(NH_4)_2SO_4 \cdot 24\ H_2O$

ALUM, POTASH: U. S. P. $Al_2(SO_4)_3K_2SO_4 \cdot 24\ H_2O$
Known as crystal alum, a colorless, crystalline solid available in 5 forms: lump, nut, pea, granular and powder. Packaged in 100 pound bags, 300 and 400 pound fibre drums. Uses: paper finishing, tanning leather, fire extinguishing, water purification, sewerage treatment, dyeing, textile fireproofing, medicines, synthetic jewels and ceramics. Shipped from 2 and 22

ALUM LIQUOR: Aluminum Sulfate in aqueous solution. Commercial and low-iron grades, 7.5 to 8.5% $Al_2(SO_4)_3$ in rubber-lined tank cars and trucks. Available from 2, 22, 38, 40, 43 and 45

ALUMINUM ALKYLS: TIBAL (tri-isobutyl aluminum), TEAL (tri-ethal aluminum), ethal aluminum sesquichloride, alkyl aluminum chlorides and hydrides and others for use as catalysts, chemical intermediates, pyrophoric fuels and in the manufacture of straight-chain alcohols and alkolefins. 22

ALUMINUM CHLORIDE, ANHYDROUS: $AlCl_3$
A crystalline solid, white to gray in color. Soluble in water but highly exothermic, and in absolute alcohol, ether, pyridine and carbon tetrachloride. Available in various mesh sizes in steel drums of 50, 100 and 600 pounds net capacity. Widely used as a catalyst in petroleum and plastics industries. Stauffer is the largest manufacturer of Aluminum Chloride; ships to any specification. Booklet available. 3 and 16. For $AlCl_3$ solution see below.

ALUMINUM CHLORIDE SOLUTION:
A solution of 28% $AlCl_3$ in rubber-lined cars or tank trucks. Used in manufacture of pectin and roofing. 25

ALUMINUM FLUORIDE: AlF_3
A white powder. 100-pound paper bags shipped from 22

ALUMINUM SULFATE:
$Al_2(SO_4)_3 \cdot 14.3\ H_2O$ (17% Al_2O_3)
Available in both "commercial", "AWWA" and "iron-free" grades, in lump, granular and powdered forms, in bulk or in 100-pound bags. Used chiefly by the paper industry and for purifying water both municipal and industrial; also for many of the purposes of ammonia alum. 2, 3, 17, 22, 25, 38, 40, 43 and 45

ANIMAL GLUES: LUSTRAGLUE®
Lustraglue products are high-quality animal glues produced from extracted bones and prepared animal skin pieces.

Grades:

Extracted Bone Glue: Pearls, Opaque, Ground; Gel test 86-222 grams.

Hide Glue: Opaque, Ground; Gel test 110-520 grams.

Chrome Glue: Ground; Gel test 135-510 grams.

Technical Gelatin: Ground; Gel test 400 and up.

Colex®: Cold water-soluble, finely powdered; Gel test 83-150 grams.

Consol®: Cold water-soluble, powdered.

Lustrasize®: Very light color and high clarity, made specially for sizing high-grade paper and textiles.
Shipped in 100-pound bags: Colex and Consol in 50-pound bags. 2, 3, 5, 17, 22, 51

ANIMAL PRODUCTS:
Charcoal, bone meal, bone flour, bone meal fertilizer, precipitated bone phosphate, hoof and horn meal, bone oil, tallow, grease, animal glue, fleshing greases and tankage. Variously available from 5, 22 and 51

ANTIMONY PENTACHLORIDE: $SbCl_5$
Little information is available on the uses of this chloride but it is under broad study as a catalyst. A colorless to light yellow liquid. Send for booklet. 32

ANTIMONY TRICHLORIDE, ANHYDROUS: $SbCl_3$
A solid or flaked product; deliquescent, corrosive and noxious. Soluble in water, alcohol, hydrochloric acid, tartaric acid, and carbon disulfide. Used in textile and leather processing, in metallurgy, petroleum refining, organic synthesis, and in the manufacture of matches, pyrotechnics and furniture polish. Available in steel drums of 50, 100 and 700 pounds net. Booklet available. 32

BORAX: $Na_2B_4O_7(10\ H_2O)$ **"West End" Brand**
The decahydrate, pentahydrate and anhydrous grades, both technical and U.S.P., are available in both powdered and granular forms. Also several grades of Hand-Soap Borax. Shipped in 100-pound bags, or in bulk. Widely used in the ceramic industry. Stauffer also supplies Borax Glass. 13, 38, 42 and 49

BORIC ACID: H_3BO_3
A product of superior quality and uniformity, lot to lot. Soluble in water, alcohol or glycerin. Technical, U.S.P. or "Radio" grades are available in granulated, powdered or impalpable forms. U.S.P. and Technical grades also in crystal form. Widely used in chemical manufacture, ceramics, metallurgy, metal plating and medicines. Packed in 100-pound Multiwall paper bags, in drums and in bulk. 13, 25, 38 and 42

BORON OXIDE: B_2O_3
Available as a powder in two mesh sizes: to pass through 20- or 60-mesh screens. Used in the production of boron, the manufacture of heat-resistant glassware and in the analysis of silicates. 13 and 42

Continued over

STAUFFER CHEMICAL COMPANY
380 MADISON AVENUE, NEW YORK 17, N. Y.

BORON TRICHLORIDE: BCl_3
A colorless, fuming liquid. It decomposes in water to form hydrochloric acid and hydrates of boron. Used in refining several non-ferrous metals and as a catalyst in organic synthesis. An important material in the manufacture of high-energy fuels. Shipped in low-pressure cylinders of 100 and 1800 pounds net; also in tank-car quantities. Send for booklet. 32

CARBON DISULFIDE: CS_2
A colorless and highly volatile liquid. Stauffer is the country's largest manufacturer. It is soluble in alcohol, ether, benzene and carbon tetrachloride—hardly at all in water—and forms azeotropes with many common solvents. Carbon disulfide dissolves sulfur (except Stauffer's non-soluble "Crystex®"), selenium, phosphorus, bromine, iodine and many organic compounds, but not salts. It has many uses, but most important of these is the manufacture of viscose rayon and cellophane. Shipped in tank cars of 8000 and 10,000 gallons capacity, and in 5-, 10- and 55-gallon drums. 7, 12, 23, 27, 36, 40 and 41

CARBON TETRACHLORIDE: CCl_4
A clear, colorless liquid with a narrow distillation range. It is nonflammable and non-explosive; virtually electrically non-conductive. Stauffer Carbon Tet is available in the Technical and C.P. grades and is shipped in 55-gallon drums or in tank cars of 4000, 8000 and 10,000-gallon capacity. 9, 13, 22, 25, 26, 32, 38 and 42

Send for Any of These Brochures

Caustic Soda: 30 pages, richly illustrated, with many graphs and tables.

Chlorinated Hydrocarbons: 24 pages on perchlorethylene, trichlorethylene, carbon tetrachloride, methylene chloride and chloroform.

Hydrofluoric Acid: 16 pages plus 24-page pocket-size manual on handling, safety and analysis of HF.

Metal Chlorides: 36 pages on chlorides of aluminum, antimony, boron, silicon, titanium and zirconium.

Muriatic Acid: 44 pages, richly illustrated, with many graphs, tables and detailed descriptions of major uses.

Research Chemicals: 40 pages. Chemical descriptions of more than 300 organics, inorganics and metallo-organics available in Research or Commercial quantities.

Sulfur: 52 pages. One of the most complete modern treatises on history, uses and analysis of Sulfur, with many graphs and tables.

CAUSTIC SODA: NaOH
Liquid caustic soda in both regular and rayon grades, 50 and 73%, is shipped in tank cars and tank trucks from numerous distributor points. A 36-page brochure with valuable graphs and tables is available. Liquid, regular grade, from 21, 25, 32 and 40. Solid and flakes available in drums only in Western U.S. 21, 25 and 40

CHLORINATED HYDROCARBONS:

Carbon Tetrachloride: See separate entry.

Chloroform: A volatile, colorless, light-sensitive liquid; nonflammable and non-explosive. Widely used as a chemical intermediate, extractant and solvent, and for numerous pharmacological purposes. 26 and 32

Methylene Chloride: One of the least toxic chlorinated hydrocarbons. It is a colorless liquid, nonflammable and non-explosive. Its low boiling point, low density, high volatility and narrow distillation range make it especially useful in certain formulas such as paint remover and stripping compounds in which it is the active agent. 12, 26 and 32

Perchlorethylene: See separate entry.

Trichlorethylene: Trichlorethylene is much used as a degreasing agent. It is also used in chemical manufacture, as a solvent and extractant, and in fire extinguishers as a freezing-point depressant. 9, 26 and 32

- **A detailed brochure on Stauffer Chlorinated Hydrocarbons is available on request.**

CHLORINE: Cl_2
Stauffer is an important source of supply for Liquid Chlorine, widely used in the manufacture of chemical compounds, drugs and insecticides. The pulp, paper and textile industries use chlorine as a bleaching agent. Shipped in single-unit tank cars of 16-, 30- and 55-ton capacity. 21 and 32

CREAM OF TARTAR: $KHC_4H_4O_6$
Colorless or slightly opaque crystals of N.F. grade, 99.7% pure potassium bitartrate. Chiefly used in the manufacture of baking powders of the best grade. Powdered and granular forms of "Snow White" Cream of Tartar are shipped in fiber drums of 100 and 250 pounds net. 4, 13, 25, 42

CHROMIUM CHLORIDE: $CrCl_3$
In developmental quantities from 40

COLUMBIUM CHLORIDE: $CbCl_5$
In commercial quantities from 40

CRYSTEX®:
85%-insoluble sulfur used in natural and synthetic rubber where tackiness or final appearance is a consideration. Compound migration and bloom are eliminated in the vulcanization of white sidewall tires and fancy rubbers. Shipped in multiwall paper bags, 50 pounds net. Also available blended with 20% medium process oil to cut dusting and improve dispersion. 25 and 30

STAUFFER SHIPPING POINTS

Stauffer CHEMICALS SINCE 1885

Numbers at right identify factories or warehouses from which Stauffer Chemicals are shipped.

These numbers will be found at or near the end of items referring to specific chemicals.

1. Akron, O.
2. Bastrop, La.
3. Baton Rouge, La.
4. Bayonne, N.J.
5. Bayshore, Calif.
6. Baytown, Tex.
7. Bentonville, Va.
8. Berkeley, Calif.
9. Boston, Mass.
10. Brooklyn, N.Y.
11. Chauncey, N.Y.
12. Chester, Pa.
13. Chicago, Ill.
14. Cleveland, O.
15. Corpus Christi, Tex.
16. Elkton, Md.
17. Ft. Worth, Tex.
18. Freeport, Tex.
19. Hammond, Ind.

FERRIC SULFATE

FERRICLEAR® HIGH ANALYSIS: $Fe_2(SO_4)_3$
Used in pigments, water purification, medicines, and soil conditioning. Polyethylene-lined bags, bulk, road or rail, shipped from 25 and 40. COMMERCIAL GRADE, used in water purification, sewerage treatment, and soil conditioning. Polyethylene-lined bags, bulk, road or rail, shipped from 17

GLUE
See "Animal Glues".

HYDROCHLORIC ACID:
See Muriatic Acid.

HYDROFLUORIC ACID:
Anhydrous available in tank cars of 22- and 42-ton capacity and in cylinders. 22 Aqueous HF in tank cars and drums from 26 Booklet available.

HYDROGEN CHLORIDE, ANHYDROUS: HCl
A colorless gas which is soluble in water, hydrocarbons, alcohol, aldehydes, ethers, esters, aniline, pyridine, sulfur dioxide and others. Widely used in organic reactions and in the plastics industry. Available in compressed-gas cylinders of 50 pounds net weight and in tube trailers. 17, 25 and 26

METALLO-ORGANICS
A wide range of compounds in ampule to tank car quantities. A multi-purpose pilot plant is available for study of customer problems and preparation of special metallo-organic compounds to specification. 50

MURIATIC ACID: HCl Aqueous
Technical grade in all strengths from 18° to 23° Bé. Used for chemical cleaning, oil-well acidizing, pickling of iron, in leather tanning, organic synthesis, textile processing. A 44-page booklet with many valuable graphs and tables will be sent on request. Shipped in rubber-lined tank cars and tank trucks; also in 6½- and 13-gallon carboys from 2, 3, 17, 21, 22, 25, 26, 38, 42 and 45
Food Grade and Hi-Quality from 17

NITRIC ACID: HNO_3
A clear, colorless to slightly straw-colored liquid. It is highly corrosive. Used in the manufacture of celluloid, dyes, drugs, explosives, nitrates; and in organic synthesis, metallurgy, ore flotation and photo-engraving. Available in strengths of 38°, 40° and 42° Bé. Shipped in 6½- and 13-gallon carboys and 8½-gallon stainless steel drums. All strengths from 17, 22, 38 and 42

PERCHLORETHYLENE: C_2Cl_4
A heavy, colorless, nonflammable and non-explosive liquid. It is soluble in alcohol and ether; miscible with all common solvents and oils, but hardly soluble at all in water. Stauffer's 'Perk' is available in both industrial degreasing and drycleaning formulations. Shipped in 55-gallon drums or tank cars of 4000, 8000 and 10,000 gallons capacity. Distributors countrywide handle the drums. Tank cars from 9, 13, 22, 25, 26, 32, 38 and 42

POTASSIUM NITRATE: KNO_3
Double-refined powdered or granular material used in pyrotechnics, meat pickling, smoking-tobacco, as a fluxing aid and color improver in glass batches. Soluble in water but not in ether or alcohol. Powdered material shipped in bags of 80 pounds net and barrels of 350 pounds net; granular in bags of 100 pounds net and 400-pound barrels. 11 and stock points throughout the country.

RESEARCH CHEMICALS
Al, Sb, B, Cd, Ge, Fe, Li, Mg, Hg, P, Rare Earths, Se, Si, Na, Sn, Ti, V and Zr in pure, practical or technical grades of elements and many organic, inorganic and metallo-organic compounds. 50

ROCHELLE SALT N. F.: $KNaC_4H_4O_6 \cdot 4\ H_2O$
Translucent granules of white powder, odorless, colorless, slightly saline to taste. Used in medicine, electroplating and mirror silvering. Fiber drums of 100 or 250 pounds. 4, 13, 25, 42

SALT CAKE:
A granular powder of 99.5% purity used in the manufacture of sulfate pulp by the Kraft process. Shipped in bulk box cars and covered hopper cars. 22 and 49

SILICON AND SILICONE PRODUCTS
Pure and practical grades of the element, metallic compounds, halides and anhydrides; alkyl and aryl chlorosilanes, silicates, alkoxy silicates, alkoxy silanes, alkoxy siloxanes, silanes, etc. 50

SILICON TETRACHLORIDE: $SiCl_4$
A clear, heavy liquid, colorless to pale yellow in color. A starting material for the synthesis of many compounds, notably silicones. It is a source of silicon and silicon dioxide of high purity. Technical and C.P. grades are available in tank cars and in steel drums of 10- and 55-gallon capacity. Send for booklet. 32

SODA ASH:
58% Dense and Coarse Dense glassmakers' grades. Available from 49

SODIUM HYDROSULFIDE: NaHS
A 45% aqueous solution available in drums, tank trucks and tank cars. An economical form of reactive sulfur in alkaline solution. Used as a reagent in the manufacture of viscose and in ore processing. It is also a process material in the manufacture of some dyes, and is used in applying "sulfur dyes" to cotton, and to leather and skins. With lime, it is a useful dehairing agent. 12, 25 and 27

SODIUM SULFATE ANHYDROUS: Na_2SO_4
A granular powder of 99.7% average purity, used in the manufacture of soap and glass; in dyeing and in boiler feed water treatment. Packaged in 100-pound bags and available in bulk carloads. 13, 22, 38, 42, 49

Continued over

20. Harvey, La.
21. Henderson, Nev.
22. Houston, Tex.
23. Le Moyne, Ala.
24. Little Rock, Ark.
25. Los Angeles, Calif.
26. Louisville, Ky.
27. Lowland, Tenn.
28. Lubbock, Tex.
29. Mobile, Ala.
30. Monongahela, Pa.
31. New Orleans, La.
32. Niagara Falls, N.Y.
33. Nogales, Sonora, Mex.
34. Oakland, Calif.
35. Omaha, Nebr.
36. Perry, O.
37. Pittsburgh, Pa.
38. Portland, Ore.
39. Reynosa, Tamps., Mex.
40. Richmond, Calif.
41. Roanoke, Va.
42. San Francisco, Calif.
43. Springhill, La.
44. St. Louis, Mo.
45. Tacoma, Wash.
46. Tampa, Fla.
47. Vernon (Los Angeles), Calif.
48. Weslaco, Tex.
49. Westend, Calif.
50. Weston, Mich.
51. Woburn, Mass.

SULFUR:

Stauffer Chemical Company is the country's largest manufacturer of processed and refined sulfurs. These include:

Processed crudes: 99.5% purity in sizes from screened lump to fine. Sold as Run-of-Mine, Screened Crude, Triangle Brand and Superfine.

Refined Sulfurs: 99.8% purity. Refined by condensation (Virgin Rock, Golden Rock, Arrow Brand, Diamond "S", Tiger, and Acid-Free); by sublimation (Anchor Brand Flowers of Sulfur N.F., Yellotone Refined and Special Flowers of Sulfur) and dispersion (Dispersed Sulfur 70).

Rubbermakers' Sulfurs: Specially treated grades for use in vulcanization. These include the unique "Crystex®" sulfur (see "Crystex"). 15 types of rubbermakers' sulfurs are made. These vary from 97.0% to 99.8% in purity; from 80-mesh to 325-mesh in fineness. Stauffer Sulfurs are available in bags or in barrels varying from 50 to 700 pounds net weight. 4, 8, 13, 18, 20, 22, 24, 25, 28, 30, 31, 35, 38, 39, 40, 42, 44, 45, 46 and 47

- **A richly illustrated 48-page brochure on Stauffer Sulfurs is available on request.**

SULFUR CHLORIDE: SCl_2 and S_2Cl_2

These products are used as chlorinating agents, as sources of sulfur in reaction, for "cold" vulcanization of rubber, in the manufacture of cutting oils, and as a dehydrating agent in chemical manufacture. The monochloride and the dichloride are available in various grades and shipped in 55-gallon steel drums and in tank cars. 32

SULFUR COMPOUNDS, ORGANIC

Extensive research in this field has led to the introduction of several new organic intermediates. Currently available in development quantities are the following:

Chlorodimethyl Sulfide (CH_3-S-CH_2Cl) and Bis(Chloromethyl) Sulfide ($ClCH_2$-S-CH_2Cl)—light colored liquids; Cl groups are very reactive, replaced by thiocyanates, dithiocarbamates, etc. 11 and 40

Methanesulfonyl Chloride (CH_3SO_2Cl)—esterifies cellulose (cotton, rayon, paper) to impart flame resistance; gives biological activity in anti-metabolites. 11 and 40

Trichloromethanesulfonyl Chloride (Cl_3CSO_2Cl)—white crystalline solid; undergoes many condensation reactions not characteristic of a sulfonyl chloride; a potential intermediate for the synthesis of dyestuffs, drugs and other organics. 11 and 40

Perchloromethyl Mercaptan (PMM) (Cl_3CSCl)—yellow oily liquid; chemical intermediate useful in adding sulfur-chlorine group, and for the synthesis of thiocyanates. 36

SULFURIC ACID: H_2SO_4

All commercial grades, including oleums and electrolyte grade, shipped in carboys, drums, tank trucks, tank cars and barges. 3, 6, 15, 17, 19, 22, 23, 25, 40, 45 and 47

SULFURIC ACID, REGENERATED:

Stauffer makes water-white sulfuric acid by recovery of refinery acid sludges as delivered to Stauffer's processing plants. 3, 6, 19, 22 and 25

SUPER TEXINE®:

Used to inhibit the reaction of muriatic acid on mild steel without effect on metallic salts. Shipped in 50- and 500-pound steel drums. 17 and 22

TARTARIC ACID N.F.: $C_4H_6O_6$

Powdered and granular grades of "Snow White" Tartaric Acid are used in the manufacture of tartrate compounds, chemicals and esters, and derivatives for organic synthesis. Used in confectionery products, effervescent beverages and medicinals, wines, seidlitz powders, gelatin desserts, and as an ingredient in tartar baking powder. Shipped in fiber drums of 100 and 250 pounds net weight. 4, 13, 25, 42.

TANTALUM CHLORIDE: $TaCl_5$

In commercial quantities from 40

TITANIUM TETRACHLORIDE: $TiCl_4$

Used in making titanium. Technical and C.P. grades are delivered in 55-gallon steel drums or in tank cars. Send for booklet. 32

TITANIUM TRICHLORIDE ANHYD: $TiCl_3$

High-purity dark purple crystals of growing use in catalysis. Available as research samples or in 1-, 5- and 55-gallon drums packed under argon atmosphere. 40

ZIRCONIUM TETRACHLORIDE: $ZrCl_4$

A white to amber free-flowing powder widely used as a catalyst, chemical intermediate, and as the source of zirconium metal. Technical grade. Send for booklet. 32

AGRICULTURAL CHEMICALS:

Stauffer manufactures and distributes a wide range of chemicals for agricultural purposes. These include Defoliants, Fertilizers, Fumigants, Fungicides, Herbicides, Insecticides, Seed-treating chemicals, Soil Fumigants and Sulfurs. 4, 20, 24, 25, 28, 35, 38, 39, 42, 46 and 48

STAUFFER SALES OFFICES

Stauffer CHEMICALS SINCE 1885

New York 17, N.Y. 380 Madison Avenue, Tel. OXford 7-0600
San Francisco 8, Calif. 636 California Street, Tel. SUtter 1-5350
Akron 8, Ohio 326 So. Main Street, Tel. POrtage 2-7423
Chicago 1, Ill. Prudential Plaza, Tel. RAndolph 6-8954
Houston 15, Tex. Box 9716, Tel. GLendale 3-7179
Houston 25, Tex. 6910 Fannin St., Tel. JAckson 6-2711
Los Angeles 17, Calif. 824 Wilshire Blvd., Tel. MAdison 7-5771
Lubbock, Tex. P.O. Box 592, Tel. POrter 2-8133 and POrter 2-1961
Portland, Ore. Suttle Road, Tel. AVenue 6-3675
Omaha, Nebr. 4111 So. 11th Street, Tel. ORchard 3200
Tampa, Fla. 2009 Orient Road, Tel. 4-3127
Weslaco, Tex. 1300 E. Davenport St., Tel. WOodlawn 8-2112

Printed in U.S.A.



DISHPAN DAN

(the laboratory man)

helps improve

DETERGENT FORMULATIONS

HERE'S HOW: Dishpan Dan is actually a custom-made mechanical device in our laboratories. His job: dipping plates treated with standard soil in and out of dishwater containing TRITON detergent formulations. With his help, we have been able to compile data on soil removal, foam stability, physical properties and cost of formulations. We would be happy to share this information with you. Write to us now.

Chemicals for Industry

ROHM & HAAS COMPANY

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

Representatives in principal foreign countries

TRITON *is a trademark, Reg. U.S. Pat. Off. and in principal foreign countries.*

TRITON SURFACTANTS

Made by the originators of Custom Blended Sunoco gasolines

THESE SUNOCO PETROCHEMICALS OFFER YOU CONSISTENTLY HIGHER END-PRODUCT QUALITY

BENZENE

Thiophene-free. Nitration grade with minimum mol % purity of 99.4 and guaranteed minimum freezing point of 5.2 C.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.882—0.886
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm, deg C	1.0 inc 80.1
Acid wash color, max	2
Acidity	none
Solidifying pt, anhydrous basis	5.20 C min
Approx weight, lb/gal	7.36

TOLUENE

Minimum mol % purity of 99.5 with aromatic content of at least 99.6. Better than nitration grade. Free of gum-forming compounds and typically free of olefins and sulfur.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.869—0.873
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm, deg C	1.0 inc 110.6
Acid wash color, max	2
Acidity	none
Approx weight, lb/gal	7.26

XYLENE

Five-degree material with unusually low acid-wash color.

SPECIFICATIONS

Specific gravity at 15.5/15.5 C	0.860—0.870
Color	Not darker than a soln of 0.003 g $K_2Cr_2O_7$/liter
Boiling range at 760 mm deg C	Not more than 5.0 inc 139.3
Acid-wash color, max	2
Acidity	none
Approx weight, lb/gal	7.21

ANHYDROUS AMMONIA

Commercial (99.5% NH_3 by wt) and refrigeration (99.97% NH_3 by wt) grades shipped from Marcus Hook, Pa., plant in 10,000 gal tank cars (approx 26 tons) and 6,000 gal tank trucks.

SPECIFICATIONS

	Commercial	Refrigeration
Water, max % by wt	0.5	0.03
Nonvolatile residue, water free basis, max % by wt	—	0.005
Noncondensable gases, max ml/100 g NH_3	—	20
Oil content, max ppm	25	5

SODIUM SULFONATES (Oil-Soluble)

The sodium salt of the oil-soluble fractions of sulfonic acids produced by the sulfonation of carefully selected petroleum distillate fractions. Viscous material miscible with petroleum oils and colloidally dispersible in water. Available in two grades.

TYPICAL COMPOSITION

Sulfonate, % by wt	60.0	62
Mineral oil, % by wt	34	34
Water, max % by wt	5	5
Sodium hydroxide, % by wt	0.5 (max)	—
Inorganic salts, % by wt	0.7	—
Average molecular weight (RSO_3Na)	440	440
Color, ASTM Dilute, max	6	3½
Viscosity, SUS at 210 F	1200 approx	1200 approx
Specific gravity, 60/60 F	1.03	1.03
Approx weight, lb/gal	8.6	8.6

USES—Emulsifying, dispersing and wetting agents; rust- and corrosion-inhibitors, demulsifying agents, dry-cleaning compounds, fat-splitting agents, flotation agents, fuel-oil additives, grease and lube-oil additives, metalworking oils, textile oils, pigment-dispersing agents, asphalt additive.

NAPHTHENIC (Sunaptic®) ACIDS

Mono-carboxylic acids with no olefinic unsaturation; low pour points; contain relatively low amounts of unsaponifiable matter. Available in three grades.

TYPICAL COMPOSITION

	A	B	C
Acid number, mg KOH/g	170—180	150—160	120—130
Unsaponifiable matter, % by wt	7 max	7 max	11 max
Viscosity, SUS at 210 F	100—120	150—200	350—650
Pour point, deg F	+30	+45	+75
Sulfur content, % by wt	0.4 max	0.4 max	0.4 max
Average molecular weight	310	340	415

USES—Corrosion- and rust-inhibitors; cleaning, defoaming, foaming, dispersing, emulsifying, and wetting agents. Metallic naphthenates for paint dryers, and fungicides for preserving wood and fabrics.

PROPYLENE TRIMER (Nonene)

Composed almost entirely of mono-olefins . . . with about 16% of double bond in terminal position. Typically 95% pure with less than 1% C_8 and lighter boiling hydrocarbons. Low sulfur content, narrow boiling range.

PROPYLENE TETRAMER (Dodecene)

12 carbon branched chain mono-olefins with narrow boiling range and low sulfur content.

SPECIFICATIONS

	Trimer	Tetramer
Specific gravity at 60 F	0.7351—0.7507 (57.0 to 61.0 API)	0.7796 max (50 API)
Distillation, Initial	265 F min	—
5%	—	355 F min
95%	275—305 F	385 F max
Sulfur, % by wt	0.02 max	0.05 max
Color, Saybolt	21 min	21 min

USES (Trimer)—Detergents, motor fuel additives, synthesis of intermediates such as nonyl phenol. High purity olefin for oxo derivatives such as decyl alcohol.

USES (Tetramer)—Alkyl aryl sulfonate detergents. Long-chain olefin for synthesis of oxo derivatives.

PDO-40 (Petroleum Drying Oil)

A dark-colored liquid composed of polymerized olefinic hydrocarbons that are generally cyclic in character and average more than one double bond per molecule. Dries to a solid thermoplastic film at room temperature.

TYPICAL PROPERTIES

Specific gravity at 60 F	0.9554
Flash, deg F (C.O.C.)	175
Viscosity, SUS at 210 F	45
Iodine number	220
Solids forming content (ASTM D-154-53)	68%
Initial boiling point, deg F	375

USES—Formulation of core oils, vehicle for bronze paints, concrete floor paint, reclaiming and plasticizing agent for rubber, rust preventive, printing inks, rubbing oil, binders for grinding wheels.

Industrial Products Department

SUN OIL COMPANY

1608 Walnut St., Philadelphia 3, Pa.

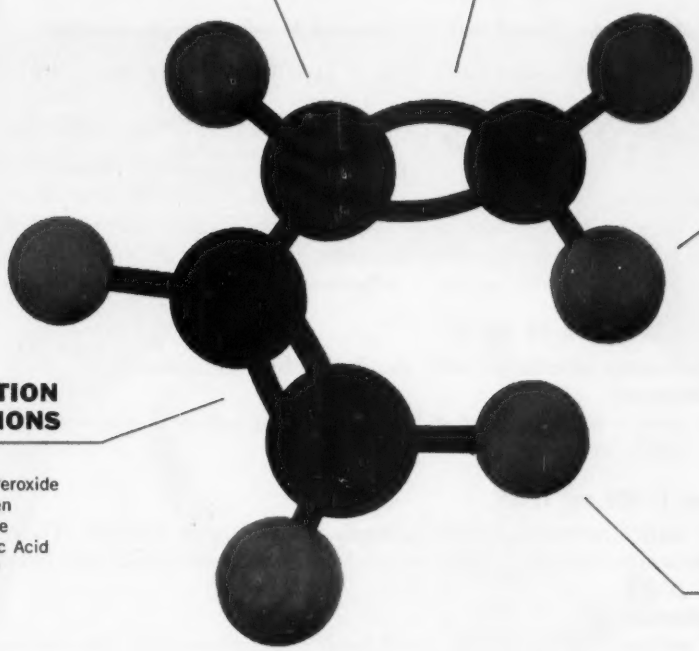
SUNOCO

IN CANADA: SUN OIL COMPANY LIMITED, Toronto and Montreal. IN BRITAIN: BRITISH SUN OIL COMPANY LIMITED, London W. C. 2, England. THE NETHERLANDS: NETHERLANDS SUN OIL COMPANY, Rotterdam C, The Netherlands. WESTERN EUROPE (except the Netherlands), NEAR EAST, NORTH AFRICA: SUN OIL COMPANY (Belgium) S. A., Antwerp, Belgium.

DIELS-ALDER CONDENSATIONS

Dimers
Cyclics
Polycyclics
Heterocyclics

OXO REACTIONS



SUBSTITUTION REACTIONS

Sulfonation
Nitration
Chlorination
With Diazonium Salt

OXIDATION REACTIONS

Hydrogen Peroxide
Oxygen
Ozone
Perbenzoic Acid

ADDITION REACTIONS

Halogens
Halogen Compounds
Metals and Metal Compounds
Alkylation
Amines
Ammonia
Diazo Compound
Diazonium Salt
Hydrogen Cyanide
Nitrogen Tetroxide
Thiocyanogen
Sulfur and Sulfur Compounds
Free Radicals

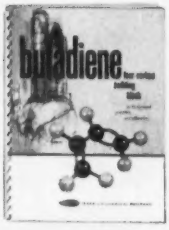
butadiene

...versatile billion-pound-per-year chemical

In addition to its recognized value to the synthetic rubber industry, highly reactive Butadiene offers extremely interesting possibilities for a host of other important uses.

Among them are the production of chemical and steroid intermediates, synthetic fibers and resins, plasticizers, alkyds, dyes, fungicides, insecticides, solvents, synthetic lubricants, and antienzymatic chemicals.

Investigate the possibilities this low-cost, readily available material offers you. Send today for your copy of the 52-page manual, "BUTADIENE . . . *four-carbon building block*", which explains chemical reactions, current uses, and potentials of this important chemical.



TEXUS **TEXAS-U.S. CHEMICAL COMPANY**

260 Madison Avenue, New York 16, N.Y. • MUrray Hill 9-3322

Executive Offices and Plants: Port Neches, Texas TEXUS Research Center: Parsippany, N. J.

INVESTIGATE *Thiokol*® LIQUID POLYMERS SYNTHETIC RUBBERS and RUBBER CHEMICALS

Aging and Weathering Resistance • Gas and Moisture Impermeability

for Maximum Oil and Solvent Resistance • Low Temperature Flexibility

Liquid Polymers — LP-2, LP-32, LP-3, LP-33, LP-8

Solventless liquids that convert to rubbers at room temperature without shrinkage.

Typical Applications:

Sealing and caulking airplane fuel tank, fuselages, ship decks, electrical and electronic potting • casting compounds for flexible molds and printing rollers • impregnation of leather • general purpose sealers • adhesives • flexibilizing epoxy resins.

Synthetic Rubbers — Types A, FA and ST

Crude rubbers easily processible with standard rubber equipment.

Typical Applications:

Paint spray hose • solvent and fuel hose • printing rollers • gaskets • extruded goods • putties • cements.

Plasticizers — Types TP-90B and TP-95

Plasticizers highly compatible with natural and synthetic rubbers. They impart excellent low temperature flexibility and maintain resilience over a wide temperature range.

Typical Applications:

Plasticizing natural rubber, GR-S, nitrile rubber, Neoprene and vinyl resins.

Water Dispersions — Types MX, WD-2, WD-6

Latex-type materials with excellent film-forming properties.

Typical Applications:

Tank liners for oil and solvent concrete and metal tanks • putties for sealing airplane fuel tanks • flexibilizing vinyl resins for tough, protective coatings.

Tackifiers — Galex — W-100 and W-100D

Non-oxidizing tackifier and plasticizer for GR-S, Neoprene, natural rubber, and reclaim.

Typical Applications:

Hose • belting • mechanical goods • friction stocks.

Vulcanizing Agent — VA-7

Liquid vulcanizing agent for unsaturated elastomers. Easily and uniformly dispersed to give outstanding heat-aging resistance, high tensile strengths at low concentrations and non-blooming in the cured or uncured state.

Polyurethane Resins — Rigithane 112, Solithane 113

Liquid resins for light weight, rigid and semi-rigid foams; also, for rigid, semi-rigid and elastomeric solid plastic castings and coatings.

Thiokol® **CHEMICAL CORPORATION**

PIONEER MANUFACTURER OF SYNTHETIC RUBBER

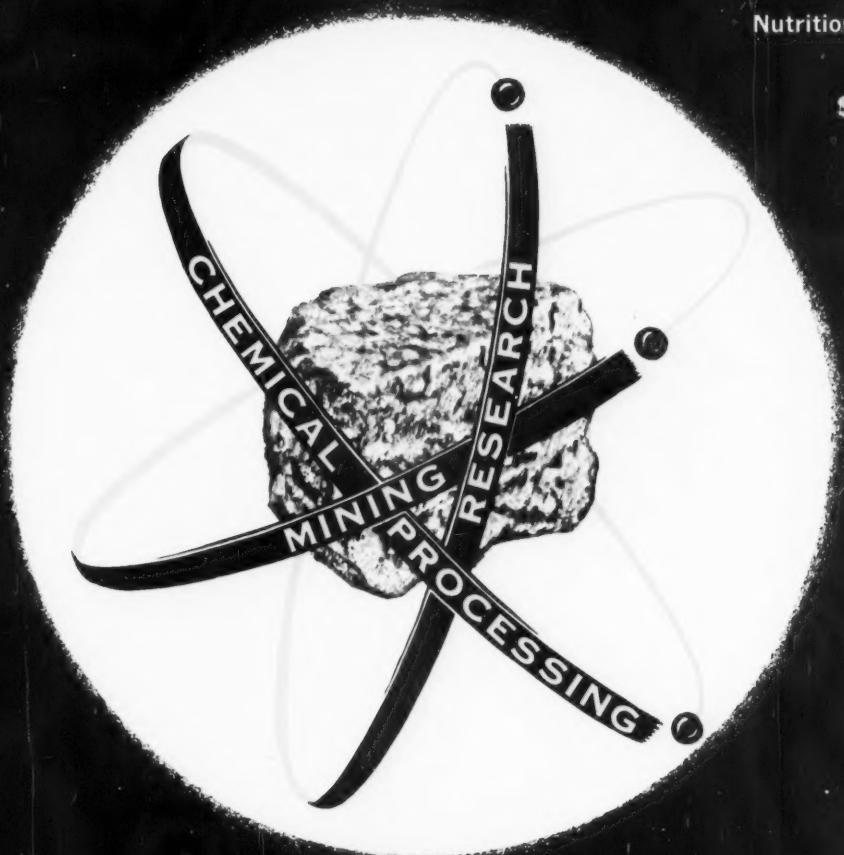
780 NORTH CLINTON AVENUE, TRENTON 7, NEW JERSEY

®Registered Trademark of the Thiokol Chemical Corp. for its liquid polymers, rocket propellants, plasticizers and other chemical products.

CHEMICALS

FOR INDUSTRY—AGRICULTURE

We mine Copper, Sulfur, Iron and Zinc and are basic producers of their chemical derivatives. Our technical know-how and basic position in these minerals are your assurance of exacting quality control, strict uniform consistency and a plentiful supply.



COPPER

Sulfates
Carbonate
Chloride
Fungicides
Nutritional Compounds

SULFUR

Sulfuric Acid
Sulfur Dioxide
Hydrosulfite
Sulfonic Acid
Chlorosulfonic Acid
Sulfonates
Sulfates

ZINC

Sulfates
Oxide
Nutritional Compounds

IRON

Ferric Sulfate
Oxides
Nutritional Compounds

MANGANESE

Sulfates
Manganous Oxide
Nutritional Compounds

TENNESSEE TC CORPORATION

615-629 Grant Building, Atlanta 3, Georgia

TENNESSEE CORPORATION

COPPER
Chemicals

BASIC PRODUCERS
FROM MINE
TO FINISHED PRODUCT



From our ore reserves in the great Copper Basin of East Tennessee, we mine Copper bearing ore from which is produced, in our integrated plants, a wide variety of Copper Chemicals. This absolutely basic position is your guarantee of a reliable, competitive source of quality Copper Salts.

We invite your tonnage inquiries on Copper Chemicals not listed herein.

COPPER SULFATE

Large, medium, industrial, granular, snowform crystals and powdered Copper Sulfate. Highest commercial quality for use in chemical processing, plating, flotation, metallurgy, inks, water purification and many other diverse applications. 25% Copper as metallic.

MONOHYDRATED COPPER SULFATE

35% Copper as metallic. Packaged in steel drums. Extremely rapid solubility. Used as a Copper Intermediate. Also in manufacture of paints, frits, cosmetics and dyestuffs.

COPPER CARBONATE

55% Copper as metallic. Light and dense grades. Used in the manufacture of Copper salts, pyrotechnics, pigments, frits, cosmetics, fungicides, animal feeds, plating and numerous other applications.

CUPRIC CHLORIDE

37% Copper as metallic. Available in polyethylene-lined drums or bags. Outstanding sweetening reagent in petroleum refining. Also used as catalyst, chemical intermediate, in electroplating and manufacture of inks.

TENNESSEE CORPORATION

INDUSTRIAL CHEMICALS

COPPER
SULFUR
IRON
ZINC
MANGANESE



TENNESSEE CORPORATION

SULFUR
Chemicals

A BASIC PRODUCER FROM
MINE TO FINISHED PRODUCT

SODIUM HYDROSULFITE
Sodium Hydrosulfite concentrate. White, free flowing crystals, free of lumps and dust. Powerful reducing agent. Used in vat color reduction.

CHLOROSULFONIC ACID
Water white, high purity. Exceptionally low iron content for chemical processing.

PARA TOLUENE SULFONIC ACID, ANHYDROUS
Exceptionally pure. High para content. Other organic Sulfonic acids also available.

SUL-FON-ATES
High Active Alkyl Aryls (See Page 4).

SULFURIC ACID
The Southeast's Leading Sulfuric Acid Supplier

Complete control of raw materials from mine to finished product allows our total independence from elemental sulfur. Sulfur contained in the ore we process yields Virgin Sulfuric Acid of highest purity, free from organic matter and very low in iron. We are in a position to ship large tonnages with a minimum of notice.

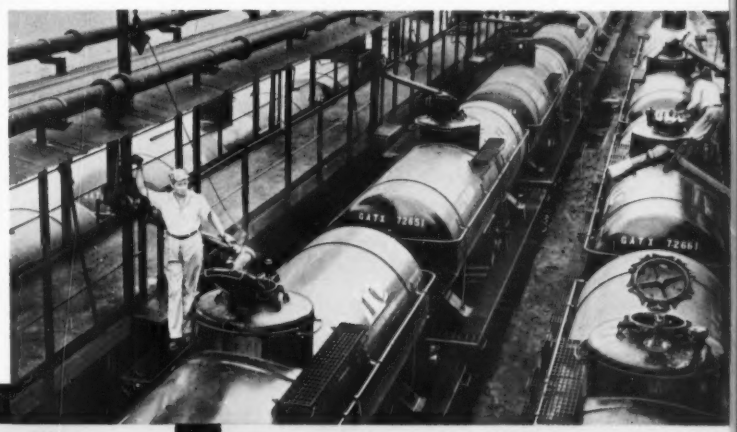
WE PRODUCE ALL COMMERCIAL GRADES AND STRENGTHS OF SULFURIC ACID FROM 60° BAUME THROUGH THE VARIOUS OLEUMS

60° Be' (77.67% H_2SO_4) Chamber and Contact Process
66° Be' (93.2% H_2SO_4) Contact Process
98% H_2SO_4 Contact Process
104.5% H_2SO_4 (20% Oleum) Contact Process
105.62% H_2SO_4 (25% Oleum) Contact Process
106.75% H_2SO_4 (30% Oleum) Contact Process
114.63% H_2SO_4 (65% Oleum) Contact Process
Other Strength Oleum inquiries invited.

SULFUR DIOXIDE USES:
Chemical Manufacturing,
Cellulose Pulp,
Clay,
Fats and Oils,
Food Processing,
Glass Making,
Glues and Adhesives,
Metallurgical Processing,
Paint and Varnish Manufacturing,
Paper Pulp,
Starch Refining,
Sugar Refining,
Textiles,
Water Treatment.

Available In:
Cylinders, Tank Trucks, Ton Drums, Tank Cars.

LIQUID SULFUR DIOXIDE HIGHEST QUALITY SO_2



TENNESSEE CORPORATION

IRON
Chemicals

Ferri-Floc TENNESSEE CORPORATION FERRIC SULFATE

FERRI-FLOC
Ferri-Floc is a partially hydrated Ferric Sulfate. It is a stable free flowing granular salt. It can be fed with few modifications through any standard dry feed equipment. Being partially hydrated, it is only mildly hygroscopic, thus permitting easy handling as well as long storage periods in closed hoppers.

Sewage Treatment—Coagulation over wide pH range. Efficient operation regardless of rapid variations of raw sewage.

Effective for conditioning the sludge prior to vacuum filtration or drying on sand beds.

Water Treatment—Coagulation of surface and well waters. Aid taste and odor control. Effective in lime, soda-ash softening. Adaptable to treatment of nearly all industrial water or wastes.

Shipment can be made in bulk, box, or closed hopper bottom cars, 100 pound multiwall paper bags, or 200 pound fiber drums.

IRON OXIDE — Information available upon request.

TENNESSEE CORPORATION

ZINC
Chemicals

ZINC SULFATE — Monohydrated, 36% Zinc as metallic. White, free flowing powder.

ZINC OXIDE—Secondary Zinc Oxide.

TENNESSEE CORPORATION

MANGANESE
Chemicals

MANGANESE SULFATE — 98% Monohydrated. Not a by-product. Highly refined, technical grade. Completely stable. Designed for chemical processing, paper making and other operations requiring a high grade Manganese Sulfate.

MANGANOUS OXIDE—Guaranteed 48% minimum Manganese as metallic content.

TENNESSEE CORPORATION

615-629 Grant Building, Atlanta 3, Georgia

TENNESSEE CORPORATION

AGRICULTURAL CHEMICALS

COPPER SULFATE—99% purity. For use in fungicides, fertilizers and feeds.

TENNESSEE TRI-BASIC COPPER SULFATE—53% to 54% Copper as metallic. A superior neutral copper fungicide. Used on a wide variety of crops and fruits.

COP-O-ZINK—A Neutral Copper and Zinc Fungicide. 48% Copper - 4% Zinc. Copper and Zinc chemically combined to produce an outstanding potato and vegetable crop fungicide. Also used on fruit.

TENNESSEE '26' COPPER FUNGICIDE—26% Copper as metallic. A mild Copper Fungicide for control of fruit diseases.

MICROGEL—50% Copper as metallic. A neutral fixed Copper fungicide.

MONOHYDRATED COPPER SULFATE—35% Copper as metallic. For use in fungicides, feeds and soluble fertilizers.

LIGHT AND DENSE COPPER CARBONATE—55% Copper as metallic. For use in manufacture of feeds, salt blocks and as a grain seed treatment fungicide.

MONOHYDRATED ZINC SULFATE—36% Zinc as metallic. Used in fungicidal sprays, fertilizers and feeds.

NU-Z NUTRITIONAL ZINC—A neutral zinc Compound—52% Zinc as metallic. For plant and animal nutrition.

NU-IRON NUTRITIONAL IRON—A Chelated Iron Compound. Applied to foliage of plants for correction of iron deficiency. Total Iron 30% as metallic.

MANGANESE SULFATE—Fertilizer grade. Designed specifically for inclusion into mixed fertilizers. Will not cause caking. Can be broadcast direct.

NU-MANESE MANGANOUS OXIDE — Minimum 48% Manganese as Metallic. Available as fertilizer or spray-dust grades for plant nutrition. Feed grade available for animal nutrition.

FERRI-FLOC—(Ferric Iron Sulfate)—Used in mixed fertilizers. Supplies essential trace element iron to soil. Also used on alkali soils to neutralize pH and improve soil structure.

CUSTOM MINERAL MIXTURES—Custom Mineral mixtures formulated to fertilizer manufacturer's specifications.

ES-MIN-EL

Es-Min-El for plant nutrition. The essential mineral elements, contains the following: Copper, Boron, Manganese, Iron, Zinc and Magnesium. Also available in a nutritional spray or dust form.

TENNESSEE CORPORATION

ORGANIC CHEMICALS

SURFACE ACTIVE SUL-FON-ATE

Years of research and experience in sulfur chemistry have been utilized in producing these sulfonic acids and their derivatives:

SUL-FON-ATE AA-9—The 90+% dodecylbenzene sulfonate, sodium salt, in white, odorless, dustless, flake form. Most versatile and economical all-purpose wetting agent and detergent.

SUL-FON-ATE AA-10—Guaranteed active 96+% sodium dodecylbenzene sulfonate in flake form. For those uses requiring a minimum inorganic content.

SULFONIC ACID AA—The high active base for the above SUL-FON-ATES; available also in anhydrous form. The starting point for preparing ammonium, potassium, ethanolamine and heavy metal salts required for special purposes.

SUL-FON-ATE OA-5—A true sulfonate of oleic acid, sodium salt, designed especially for use in acid media.

PARA TOLUENE SULFONIC ACID, ANHYDROUS — An exceptionally pure product for use as an intermediate or as a catalytic agent. Other aromatic sulfonic acids and the salts of these acids available on custom contract basis.

Pilot Plant facilities are available for production of semi-works quantities. Your inquiries for Organic Sulfonates are solicited.

Please contact the . . .

Organic Chemicals Division

TENNESSEE CORPORATION

615-629 Grant Building, Atlanta 3, Georgia





INDUSTRIAL ALCOHOLS
SOLVENTS
CHEMICALS
POLYETHYLENE RESINS
FEED SUPPLEMENTS
FERTILIZER RAW MATERIALS

from

U.S.I. INDUSTRIAL CHEMICALS CO.

Division of National Distillers and Chemical Corp.

99 Park Avenue, New York 16, N. Y.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers and Chemical Corporation
99 Park Avenue, New York 16, N. Y.

ALCOHOLS AND SOLVENTS

PRODUCT AND CHEMICAL FORMULA	Distillation Range in deg. C.	Flash Point (open cup) in deg. F.	Evaporation Rate Minutes	Acidity; Free Acid, Maximum	Specific Gravity 20/20 C.	APPLICATIONS	CONTAINERS
ALCOHOLS							
Industrial Ethyl Alcohol C_2H_5OH	Specially Denatured – all formulas based on 190 proof or anhydrous ethyl alcohol. Completely Denatured – regular and anhydrous formulas. Pure Ethyl Alcohol – 190 proof, USP; absolute, USP, NF and ACS tax-free and tax-paid.						4-, 6-, 8- and 10-thousand gallon tankcars, compartment tankcars, tank trucks, 55- and 5-gallon drums, drum carloads.
Butanol (Normal Butyl Alcohol) C_4H_9OH	1.5 including 117.7	115	67	.005% as acetic	0.810-0.812	Latent solvent for nitrocellulose, solvents for ethyl cellulose and many resins, many chemical syntheses.	same as ethyl alcohol.
Amyl Alcohol Refined	128-132	127	....	.01% as acetic	0.811-0.815	Raw material for manufacture of fine chemicals and pharmaceuticals.	same as ethyl alcohol.
Fusel Oil Refined	110-135	123	103½	.01% as acetic	0.811-0.815	A blend of amyl alcohols refined by chemical treatment and distillation.	same as ethyl alcohol.
DENATURED ALCOHOL SOLVENTS, PROPRIETARY							
Solox® (Proprietary Denatured Alcohol General Purpose Solvent)						Shellac solvent and general solvent, fuel oil conditioner, cleanser; ingredient for cleaning compounds, lacquers, paint removers, polishes, etc. In spirit varnishes, in purification, extraction and crystallization processes.	Pt., qt., gal. cans; 5-gal., 55-gal. steel drums. Also tankcars and tank trucks (as ethyl alcohol) to users having authorization of ATTD, Internal Revenue Service.
Regular, 190 proof	....	70	....	.005% as acetic	0.815†		
Anhydrous, 200 proof	....	70	....	.005% as acetic	0.796†		
Filmex® 190 proof formulation	75-81	70	....	.005% as acetic	0.814†	Special proprietary denatured alcohol solvent for use in flexographic inks and other legitimate industrial uses.	55-gal. steel drums. Also tankcars and tank trucks (as ethyl alcohol) to users having authorization of ATTD, Internal Revenue Service.
Anhydrous, 200 proof	76-81	65	....	.005% as acetic	0.796†		
Ansol®M (Anhydrous Denatured Alcohol Special Solvent Blend)	70-80	50	14.5	.01% as acetic	0.797-0.800	Anhydrous solvent for many resins not soluble in ethanol alone. Solvent for SS nitrocellulose. Used as a lacquer solvent and thinner and in plastic cements, celluloid, cleaners, paper, lacquer, thinners, linoleum, varnish, etc.	same as ethyl alcohol.
Ansol®PR (Anhydrous Denatured Alcohol Special Solvent Blend with higher ester content and solvency)	70-80	50	9	.01% as acetic	0.840-0.843	Anhydrous solvent comparing favorably with ethyl acetate. Used as a lacquer solvent and thinner and in celluloid, paper, cleaners, decalcomanias, linoleum, cement, paint removers, varnishes.	same as ethyl alcohol.
Other Special Solvent Blends		Specifications on request.			†60°F/60°F		
ESTERS							
Butyl Acetate Normal $CH_3COOC_4H_9$	118-128	100	34.75	.01% as acetic	0.874-0.877	Most widely used medium-boiling nitrocellulose solvent. Used in airplane dopes, artificial pearl, celluloid, cements, coated paper, lacquers, plastic wood, thinners, leather finishes, linoleum, textile sizing, etc.	same as ethyl alcohol.
Diatol® (Diethyl Carbonate containing about 10% Anhydrous Ethanol)	100-130	82	35	.02% as carbonic	0.954-0.957	A nearly-neutral, mild-odor, medium boiling nitrocellulose solvent, used in lacquers, radio tubes, etc.	same as ethyl alcohol.
Diethyl Carbonate $(C_2H_5)_2CO_3$	120-130	115	34.75	.02% as carbonic	0.973-0.977	Similar to Diatol. Also used in synthesizing phenobarbital and other organics.	same as ethyl alcohol.
Diethyl Oxalate $(COOC_2H_5)_2$	180-190	168	....	.05% as oxalic	1.075-1.079	Dyestuff and pharmaceutical intermediate; solvent for special purpose lacquers; used in nitrocellulose printing inks, electronic tubes, organic syntheses.	same as ethyl alcohol.
Ethyl Acetate $CH_3COOC_2H_5$ Commercial 85-88%	70-80	42	11.25	.01% as acetic	0.882-0.886	Excellent solvent for cellulose esters, resins, etc. Also used in acetic acid extraction, candy glaze, cleaners, denatured alcohols, flavorings, perfumes, rayon, pharmaceuticals, smokeless powder, paint removers, spirit varnishes, etc.	same as ethyl alcohol.
Commercial 99% (95-98% & USP also available)	75-80	42	....	.01% as acetic	0.899-0.902		
ETHERS AND KETONES							
Ethyl Ether, USP $(C_2H_5)_2O$ (Also Absolute ACS, Refined, and Technical grades)	....	below 0°F		= 0.4 ml. 0.02N NaOH per 25 ml.	0.713-0.716	Widely used as a solvent for fats, oils, resins; solvent (in combination with alcohol) for nitrocellulose; organic syntheses. An essential laboratory reagent.	8- and 10-thousand gallon tankcars, 30,000-lb. drum cars, 55- and 5-gal. steel drums.
Acetone $(CH_3)_2CO$ (Dimethyl Ketone)	1° including 56.1	15	5.5	.002% as acetic	0.791-0.793	Solvent for cellulose acetate, vinyl resins, acetylene gas, waxes, fats; used in pharmaceuticals, dyes, plastics; as a dewaxing agent for lubricating oils; organic syntheses.	same as ethyl alcohol.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers and Chemical Corporation
99 Park Avenue, New York 16, N. Y.

INTERMEDIATES AND FINE CHEMICALS

PRODUCT	FORMULA	COLOR	MELTING POINT (Deg. C.)	PURITY	APPLICATIONS	CONTAINERS
Acetoacetanilide	$CH_3COCH_2CONHC_6H_5$	White	82.5	97%	Intermediate for Benzidine, Hansa Yellow dyes.	Fiber drums 200 lbs. net.
Acetoacet-Ortho-Chloranilide	$CH_3COCH_2CONHC_6H_4Cl$	White	102.5	97%		Fiber drums 250 lbs. net.
Acetoacet-Ortho-Toluidide	$CH_3COCH_2CONHC_6H_4CH_3$	White	104-105	96%		Fiber drums 250 lbs. net.
Ethyl Acetoacetate	$CH_3COCH_2COOC_2H_5$	Nearly water white	....	96.5%	Pyrazolone Dyes, yellow dyestuffs, Antipyrine, Vitamin B_1, antimalarials.	465 lbs. net, resin-lined drums.
Ethyl Benzoylacetate	$C_6H_5COCH_2COOC_2H_5$	Light yellow	Dist. Range 144-148 (at 10 mm.)	95%	Pyrazolone dyes; pharmaceuticals; organic syntheses.	55- and 5-gal. drums, 1-gal. bottles.
Ethyl Chloroformate (Ethyl Chlorocarbonate)	$ClCOOC_2H_5$	Water white	....	95%	Ore-refining flotation agents; chemical syntheses.	5-gal. and 3-gal. carboys.
Ethylene, Refined	C_2H_4	Colorless	....	Refined 99%	Fuel gas; fruit ripening agent; refrigerant; organic syntheses.	25-lb. steel cylinders, returnable. Also 30,000-lb. gross drum cars.
Ethyl Sodium Oxalacetate	$C_2H_5OOCC(ONa):CHCOOC_2H_5$	Light yellow	....	92%	Tartrazine and Pyrazolone dyes; other syntheses.	Fiber drums, net weight 175 lbs.
Urethan, USP (Ethyl Carbamate)	$NH_2COOC_2H_5$	White	48-50	98%	Pharmaceuticals, cosmetics; in organic syntheses.	200-lbs. net, fiber drums.

CHEMICALS, INORGANIC

Ammonia, Anhydrous – Commercial and refrigeration grades, in tankcars or tank trucks only, from Tuscola, Ill.

Ammonium Nitrate – Up to 83% solutions in tankcars and tank trucks from Tuscola, Ill.

Caustic Soda – 50% liquid in tankcars, tank trucks and barges, from Huntsville, Ala.

Chlorine, Liquid – In tankcars, from Huntsville, Ala.

Nitric Acid – 57%, in stainless steel tank trucks, from Tuscola, Ill.

Sodium Peroxide – Dust-free granules shipped in drums.

Phosphatic Fertilizer Solution – 54-55% P_2O_5 wet-process phosphoric acid, in tankcars and tank trucks, from Tuscola, Ill.

Sodium, Metallic – 99.95% purity. Available in 80,000-lb. tankcars; 12-, 5-, 2½-, 1-lb. bricks in 55-gal. steel barrels; 1-, 2-lb. bricks in 20-lb. net steel pails; cast solid in 55-gal. steel drums and pails.

Sulfuric Acid – All strengths from 60° Baumé to 40% oleum. Also electrolyte grade meeting federal specifications. Tankcars or tank trucks only. From Tuscola, Ill., Dubuque, Ia., DeSoto, Kans.

PHARMACEUTICAL PRODUCTS

Amyl Alcohol, Refined – For fine chemicals, pharmaceuticals.

Diethyl Carbonate – For phenobarbital, other pharmaceuticals.

Ethyl Acetoacetate – For antimalarial and vitamin B_1 production.

Ethyl Alcohol – USP 190 Proof – Absolute, N.F., tax-free, tax-paid.
Specially Denatured – All regular and anhydrous formulas.

Ethyl Sodium Oxalacetate – For pharmaceutical synthesis.

DL-Methionine (Pharm.) – Essential sulfur amino acid for pharmaceutical use.

N-Acetyl DL-Methionine – Derivative of methionine giving increased solubility.

Urethan USP (Ethyl Carbamate) – For pharmaceutical synthesis.

PETROTHENE® POLYETHYLENE RESINS

Grades for blown, flat and cast films; paper coating; wire & cable coating; injection molding; bottle blowing; thermo-forming; pipe extrusion; calendering.

Form: Solid cubes, ca. ⅛ in. on a side.

Color: All types available in natural, black, and various colors.

Packaging: Polyethylene-coated multiwall and 10-mil polyethylene bags, net weight 50 lb. Palletized shipments upon request.–1,500-lb. and 10,000-lb. net U.S. Rubber "Sealdbins."–90,000-lb. Dry-Flo cars.

ANIMAL FEED PRODUCTS

DL-Methionine (Feed Grade) – Essential sulfur amino acid for high-energy feeds and concentrates.

Morea® Premix – Ruminant feed supplement, sold as a concentrate containing urea, ethanol, prosphoric acid – to be mixed with molasses.

FERTILIZER RAW MATERIALS

Ammonia, Anhydrous – Commercial and refrigeration grades, in tankcars and tank trucks only, from Tuscola, Ill.

Ammonium Nitrate – Up to 83% solution in tankcars and tank trucks from Tuscola, Ill.

Aqua Ammonia – All strengths, from Tuscola, Ill.

Nitric Acid – 57%, in stainless steel tank trucks, from Tuscola, Ill.

Nitrogen Fertilizer Solutions – Aqueous solutions of ammonium nitrate, ammonia and/or urea in all standard analyses, from Tuscola, Ill.

Phosphatic Fertilizer Solution – 54-55% P_2O_5 wet-process phosphoric acid for fertilizer manufacture, in tankcars and tank trucks, from Tuscola, Ill.

Sulfuric Acid – All strengths from 60° Baumé to 40% oleum. Also electrolyte grade meeting federal specifications. In tankcars or tank trucks only. From Tuscola, Ill., Dubuque, Ia., DeSoto, Kans.

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And to help customers use U.S.I. products more successfully and profitably, the company has set up extensive technical service facilities manned by a highly skilled staff. The well-trained U.S.I. technical sales engineers who assist customers in their plants and offices are backed up by many specialists at U.S.I. laboratories and plants.

U.S.I.'s literature and advertising programs too are geared to play a technical service role by providing detailed information useful to the industries served by the company. Below is a partial list of the literature available from U.S.I. upon request:

ALCOHOLS & SOLVENTS

Ethyl Alcohol catalog

Filmex® — technical data sheet

CHEMICALS

Technical data sheets on all Esters, Ethers, Ketones, Intermediates, Fine Chemicals and Pharmaceutical Products listed on the previous two pages.

Caustic Soda — technical data sheet

Chlorine — technical data sheet

Sulfuric acid — brochure

SODIUM

Handling Metallic Sodium on a Plant Scale — brochure

High Surface Sodium — brochure

Sodium Dispersions — brochure

Analytical Method for Sodium Hydride — technical data sheet STD-4

Production & Application of Alcohol-Free Sodium Alkoxides — technical data sheet STD-1

Laboratory Production & Use of Sodium Wire — technical data sheet STD-3

POLYETHYLENE RESINS

PETROTHENE® Polyethylene — a Processing Guide

Heat Seal Characteristics of Polyethylene Film and Coated Substrates.

Polyethylene Processing Tips, Volumes I to IV — series of periodically issued U.S.I. information sheets

PETROTHENE Coating Resins — technical data

Which Polyethylene Film Should I Use? — technical data

Polyethylene "Shut-Down" Resin PETROTHENE 205-1 — technical data

Cast Film — technical data

Packaging and Shipping of PETROTHENE — technical data

PETROTHENES 200-2, 201-2 and 203-2 Tailor-Made Resins for Coating Applications — technical data

How to Choose and Use Polyethylene Pipe — leaflet

Polyethylene Creates New Opportunities in Packaging — brochure

The Goose that Laid the Golden Egg — polyethylene housewares booklet

FEED SUPPLEMENTS

Proteins and Amino Acids for Animal Nutrition — brochure

MOREA® Liquid Feeds Folder: for Beef Cattle; for Dairy Cattle

FERTILIZER RAW MATERIALS

U.S.I. Ammonia & Fertilizer Solutions — brochure

Properties of U.S.I. Nitrogen Solutions — folder

Sulfuric Acid — brochure

Phosphatic Fertilizer Solutions — technical data sheet

GENERAL

National Distillers Expands in the Chemical Industry — brochure

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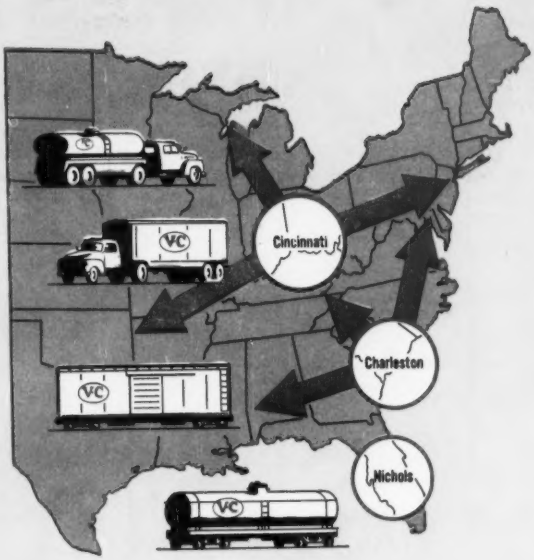
PRODUCT	DESCRIPTION	CONTAINERS
PHOSPHORUS, ELEMENTAL (yellow phosphorus or white phosphorus) FORMULA: P_4 MOLECULAR WEIGHT: 123.92 GRADE: Technical	A pale yellow, wax-like solid which burns spontaneously in air to form phosphoric anhydride. Soluble in organic solvents such as benzene and carbon disulfide, and relatively insoluble in water. Melting Point: 44.1°C; Boiling Point: 280°C; Specific Gravity: 1.83.	Shipped under water in: Tank cars of approximately 50 tons net. Steel drums of 380 lbs. net.
PHOSPHORIC ACIDS FORMULA: H_3PO_4 MOLECULAR WEIGHT: 98.00 GRADES: 85% N.F. Grade, 80% and 75% Food Grade	Three grades, produced from elemental phosphorus, are sparkling clear, water-white liquids of extreme purity. 85% N.F. Grade surpasses National Formulary and American Chemical Society requirements for reagent grade. 75% and 80% Food Grades are guaranteed to surpass all Food and Drug Regulations for food products.	Tank cars—4,000 and 8,000 gals. Tank trucks—2,200 and 3,000 gals. Glass Carboys—13, 6½, and 5 gals. Oak barrels, latex lined—50 gals. Stainless steel drums—55 and 15 gals. Steel drums, lined—55 gals.
PHOSPHORIC ANHYDRIDE (phosphorus pentoxide) FORMULA: P_4O_{10} MOLECULAR WEIGHT: 283.92 GRADE: Reagent Quality—Surpasses the U.S.P. XV specifications for reagent material.	White, finely crystalline material, extremely hygroscopic. Reacts violently with water. (ICC Yellow Label required in shipment.)	Single trip steel drums of 60 lbs. net and 400 lbs. net.
DISODIUM PHOSPHATE FORMULA: Na_2HPO_4 MOLECULAR WEIGHT: 141.98 GRADES: Technical—Anhydrous in three granulations: Granular, Regular and Powdered.	A white, crystalline, free-flowing substance of high purity, readily soluble in water.	Multiwall paper bags of 100 lbs. net. Leverpak drums of 275 lbs. net and 125 lbs. net.
TRISODIUM PHOSPHATE FORMULA: Na_3PO_4 ($12H_2O$) MOLECULAR WEIGHT: 380.16 GRADE: Technical in two granulations: Granular and Regular.	A white, crystalline product which dissolves readily in water to form a strong alkaline solution. When exposed to the air, it may take on or give up water, depending on relative humidity and temperature. Solutions of trisodium phosphate dissolve and emulsify fats and oils and soften water.	Multiwall paper bags of 100 lbs. net. Leverpak drums of 325 lbs. net and 150 lbs. net.
SODIUM TRIPOLYPHOSPHATE FORMULA: $Na_5P_3O_{10}$ MOLECULAR WEIGHT: 367.93 GRADE: Technical in two granulations: Granular and Powdered.	Anhydrous, white, free-flowing material with excellent water softening characteristics. Has sequestering with detergent properties, and is readily soluble in water.	Multiwall paper bags of 100 lbs. net.
TETRASODIUM PYROPHOSPHATE FORMULA: $Na_4P_2O_7$ MOLECULAR WEIGHT: 265.95 GRADE: Technical in two granulations: Granular and Powdered.	Anhydrous, white, free-flowing material with good dispersive properties. It has the ability to sequester calcium, magnesium and iron.	Multiwall paper bags of 100 lbs. net.

CHEMICAL CORPORATION

TYPICAL ANALYSIS	PRINCIPAL USES
P_4—99.9%. Surpasses requirements of Federal Specification JAN-P-215 and Amendment-1, dated Feb. 2, 1951.	The production of phosphoric acid, phosphoric anhydride, phosphorus chlorides, sulfides and similar phosphorus compounds. Also in manufacture of phosphor bronzes and metallic phosphides, and in munitions.
85% N.F. Grade: Sp. Gr. 20°/4°C 1.691; Lbs./gal. 14.1; P_2O_5 61.71%; H_3PO_4 85.21%; Cl 0.0001%; Fe 0.0002%; Pb 0%; As_2O_3 0% 80% Food Grade: Sp. Gr. 20°/4°C 1.635; Lbs./gal. 13.6; P_2O_5 58.08%; H_3PO_4 80.20%; Cl 0.0001%; Fe 0.0002%; Pb 0%; As_2O_3 0% 75% Food Grade: Sp. Gr. 20°/4°C 1.581; Lbs./gal. 13.2; P_2O_5 54.50%; H_3PO_4 75.26%; Cl 0.0001%; Fe 0.0002%; Pb 0%; As_2O_3 0%	Fertilizers, inorganic phosphates, pharmaceuticals and soft drinks; chemical polishing, electropolishing, cleaning, rust-proofing and priming metals; production of activated carbon, piezoelectric crystals, cellulose, dental cements; petroleum refining, textile dyeing and finishing, sugar refining, foods and flavors, adhesives, gelatin, antibiotics, fireproofing, fats and oils, waxes, enamels, water treatment, animal feeds, and many other diversified uses.
P_4O_{10} . . . . . 99.8% Arsenic . . . . . 0.0015% Water Insoluble . . . . . 0% Organic Substances . . . . . Nil Solution in Water . . . Clear and Colorless Packed Bulk Density . . . 60 lbs. per cu. ft.	Dehydrating agent; condensing and polymerizing agent; preparation of organic phosphates; catalyst for air blown asphalt; source of phosphoric acid; production of polyphosphoric acids.
pH of 1% solution . . . . . 9.0 P_2O_5 content . . . . . 49.4% Water Insoluble . . . . . 0.02% Bulk Density . . . . . 50-60 lbs. per cu. ft.	Water softening compounds, dyeing, printing, scouring and weighting of textiles; emulsifier in making processed cheese and other foods; pigments and dyestuffs; flame-retarding compositions; casein paper coatings; tinning and soldering; leather tanning; cattle feed supplement.
pH of 1% solution . . . . . 11.9 P_2O_5 . . . . . 18.68% CO_2 . . . . . 0.32% Cl . . . . . 0.10% Water Insoluble . . . . . 0.03% Bulk Density . . . . . 55-65 lbs. per cu. ft.	Cleansers and scouring powders; softening and conditioning of water; washing, degumming and scouring textiles; cleaning metals, glass, dairy and food processing equipment; alkaline builder in laundries; fruit washing to remove insecticide spray residues and inhibit mold growth.
pH of 1% solution . . . . . 9.7 P_2O_5 content . . . . . 57.6% Orthophosphates as Na_2HPO_4 . . . . 0.75% Cl . . . . . 0.2% Water Insoluble . . . . . 0.01% Bulk Density . . . . . 60-70 lbs. per cu. ft.	Detergent and synergistic builder in soaps and cleansers; water softener and conditioner—in boiler water and threshold treatment; dispersing and sequestering agent in oil well drilling, clay manufacturing, cements and metallurgical practice; dyeing, kier boiling, scouring, bleaching and other textile processing; dispersing agent for casein and pigments in water paints; emulsifying agent in cheese processing; pitch control in pulp making. Also has numerous other applications to prevent precipitation of calcium and magnesium.
pH of 1% solution . . . . . 10.1 P_2O_5 content . . . . . 53.1% Orthophosphates as Na_2HPO_4 . . . . 0.20% Cl . . . . . 0.2% Water Insoluble . . . . . 0.01% Bulk Density . . . . . 60-70 lbs. per cu. ft.	Soap and detergent builder. Cleaning and scouring compounds; water softening; conditioning of oil well drilling muds; dispersing agent in the manufacture of pigments, paints and ceramics; emulsifier in the cheese industry; electroplating solutions; metal cleaning; dyeing, scouring, finishing, and bleaching of textiles; de-inking of newsprint; tin plating.

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- Phosphorus, Elemental
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- Polyphosphoric Acids
- Phosphoric Anhydride
- Disodium Phosphate
- Trisodium Phosphate
- Sodium Tripolyphosphate
- Tetrasodium Pyrophosphate
- Sodium Hexametaphosphate
- Sodium Metasilicate
- Ferrophosphorus

ORGANIC CHEMICALS

- Dimethyl hydrogen phosphite
- Diethyl hydrogen phosphite
- Dibutyl hydrogen phosphite
- Bis(2-ethylhexyl) hydrogen phosphite
- Trimethyl phosphite
- Triethyl phosphite†
- Triisopropyl phosphite†
- Tributyl phosphite†
- Trihexyl phosphite†
- Triisooctyl phosphite†↓
- Tris(2-ethylhexyl) phosphite†
- Tris(2-chloroethyl) phosphite
- 2-Ethylhexyl octylphenyl phosphite
- Diethyl ethylphosphonate
- Dibutyl butylphosphonate
- Bis(2-ethylhexyl) 2-ethylhexylphosphonate
- O,O,O-Triethyl phosphorothioate
- O,O,O-Tributyl phosphorothioate
- O,O,O-Triisooctyl phosphorothioate
- Alkyl acid phosphates
- Aryl acid phosphates

†Mfd. under U.S. Pat. 2,678,940
↓U.S. Pat. 2,722,479

VIRGINIA-CAROLINA CH

ORGANIC PHOSPHORUS COMPOUNDS		SPECIFIC GRAVITY 20°/4° C	BOILING POINT	FLASH POINT CLEVELAND OPEN CUP	SOLUBILITY IN WATER	HYDROLYS IN WATE
DIALKYL PHOSPHITES $(RO)_2P(O)H$						
Dimethyl		1.200	72-3° C/25 mm	205° F	Soluble	Hydrolyze
Diethyl		1.079	65-6° C/6 mm	195° F	Soluble	Hydrolyze
Dibutyl		.995	118-9° C/7 mm	250° F	Slightly Soluble	Slowly
Bis(2-ethylhexyl)		.937	163-4° C/3 mm	330° F	Insoluble	Very slowl
DIALKYL ALKYLPHOSPHONATES $R-P(O)(OR)_2$						
Diethyl ethyl		1.025	82-3° C/11 mm	220° F	Soluble	–
Dibutyl butyl		0.948	127-8° C/2.5 mm	310° F	Insoluble	–
Bis(2-ethylhexyl) 2-ethylhexyl		0.908	160-1° C/0.26 mm	420° F	Insoluble	–
TRIALKYL AND ALKYL ARYL PHOSPHITES $(RO)_3P$						
Trimethyl		1.046	108-108.5° C	100° F	–	Hydrolyze
Triethyl		0.969	65-6° C/24 mm	130° F	Slightly Soluble	Hydrolyze
Tris(2-chloroethyl)		1.353	119° C/0.15 mm	375° F	Insoluble	Hydrolyze
Triisopropyl		0.914	94-6° C/50 mm	165° F	Insoluble	Slowly
Tributyl		0.925	118-21° C/7 mm	250° F	Insoluble	Slowly
Trihexyl		0.897	135-41° C/0.2 mm	320° F	Insoluble	Very slowl
Tris(2-ethylhexyl)		0.902	163-4° C/0.3 mm	365° F	Insoluble	Very slowl
Triisooctyl		0.891	161-4° C/0.3 mm	385° F	Insoluble	Very slowl
2-Ethylhexyl octylphenyl		0.935-0.950		385-390° F	Insoluble	Very slowl
O,O,O-TRIALKYL PHOSPHOROTHIOATES $(RO)_3PS$						
Triethyl		1.074	93.5-94° C/10 mm	225° F	–	–
Tributyl		0.987	142-145° C/4.5 mm	295° F	–	–
Triisooctyl		0.933	160-170° C/0.2 mm	410° F	–	–
ORGANIC ACID PHOSPHATES	(Acid No. Minimum)					
Ethyl	565	1.27	–	245° F	Soluble	–
Butyl	430	1.13	–	265° F	Slightly Soluble	–
Isooctyl	305	1.02	–	335° F	Insoluble	–
Stearyl	165	.896 (67° C)	–	440° F	Insoluble	–
Phenyl	360	1.284 (48° C)	–	255° F	Slightly Soluble	–
Octylphenyl	200	1.080 (65° C)	–	290° F	Insoluble	–
Bis(2-ethylhexyl) Hydrogen Phosphate‡	174‡‡	0.972	–	340° F	Insoluble	–

VIRCO-PET*
CORROSION INHIBITOR

PHYSICAL PROPERTIES: Specific Gravity 20°/4° C – 0.96-1.00. Viscosity (Stokes at 100° F) – 10.5-11.5.

SOLUBILITY: Water – forms emulsion.
Organic Solvents – soluble in acetone, ethanol, ethyl acetate, carbon tetrachloride, benzene, toluene, petroleum ether, VM & P naphtha, kerosene, gasoline, ethylene glycol.

CONTAINERS

55 gallon steel drums, lacquer lined, 400-580 lbs. net.
5 gallon steel drums, lacquer lined, 35-55 lbs. net.
Glass bottles – 1 lb. and 4 lbs. net.

IEMICAL CORPORATION

OLYSIS /ATER	DESCRIPTION	USES
olyzes olyzes owly slowly	Mobile, colorless liquids with mild odors and good thermal stability. Miscible with alcohol, ether, and most common organic solvents.	Additives for extreme pressure lubricants; organic phosphorus intermediates; adhesives; textile finishing agents.
– – –	Colorless liquids with mild odors. Stable organic phosphorus compounds, miscible with alcohol, ether and most common organic solvents.	Heavy metal extraction and solvent separation; pre-ignition additives for gasoline; anti-foam agents; plasticizers and stabilizers; textile conditioners and antistatic agents; additives in solvents and low temperature hydraulic fluids; to replace organic phosphates where improved stability is desirable.
rolyzes rolyzes rolyzes owly owly slowly slowly slowly slowly	Mobile, colorless liquids with characteristic odors. Miscible with alcohol, ether, and most common organic solvents. Tris(2-chloroethyl) phosphite undergoes intramolecular isomerization at elevated temperatures, but the other members of the series possess good thermal stability. Trialkyl phosphites must be kept in tightly-closed containers and exposure to air reduced to a minimum.	Intermediates for organic phosphorus insecticides; components of vinyl stabilizers; lube and grease additives; flameproofing compositions and specialty solvents. Tris-(2-chloroethyl) phosphite is a color inhibitor in esterification reactions. 2-Ethylhexyl octylphenyl phosphite is an excellent non-staining antioxidant and exhibits a unique bleaching action when used with GR-S rubber.
– – –	Colorless liquids with characteristic odors. Similar to trialkyl phosphates, but with decreased toxicities, higher boiling points, lower water solubilities, and more diversified solubilities in organic solvents. Phosphorothioates exhibit greater thermal stability than the corresponding phosphates.	Additives to extreme pressure lubricants; anti-corrosion agents; anti-foam agents; specialty solvents; hydraulic fluids; plasticizers for synthetic resins and GR-S rubber; intermediates in the preparation of pesticides.
– – – – – – –	Mixed mono and dihydrogen phosphate esters containing varying amounts of polyphosphates. They are strongly acidic and form salts with alkalies and amines. Higher purity and lighter color are unique characteristics of these products, and they offer a wide range of solubilities as well as good thermal stability. The ethyl, butyl, and isooctyl acids are pale yellow liquids while the stearyl, phenyl and octylphenyl acids are light tan semi-solids. ‡Pure ‡‡Typical	Acid catalysts in resin curing; chemical intermediates in the formulation of rust preventatives, anti-static agents, textile lubricants, and oil additives. Flameproofing applications also offer potential usage. Bis(2-ethylhexyl) Hydrogen Phosphate is the preferred reagent for heavy metal extraction.
	A tan viscous liquid; miscible with a wide variety of organic solvents. Forms an emulsion with water. An ashless, neutral organic compound which can be safely used in applications where corrosion is a problem. Intensive tests show Virco-Pet to be an excellent corrosion inhibitor for both steel and aluminum. Performs well in organic or aqueous systems, particularly under acid conditions.	In petroleum products for protection of engine parts, tankers, pipelines, storage tanks and other handling facilities; protective coatings such as water-based paints; additive to anti-freeze compounds, cleaners and polishers; and wherever a liquid is in contact with a metal under corrosive conditions.

*Patent applied for.

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WILMAR CODE	PRODUCT	TITER °C MIN.-MAX.	ACID VALUE MIN.-MAX.	IODINE VALUE	MAXIMUM COLOR 5¼" LOV. YEL/RED
*WILMAR 272	ESTER GRADE STEARIC ACID	58 - 60.5	201-206	1 max.	1.5/0.2
WILMAR 270	STEARIC ACID (VEG.)	60 - 64	195-206	1.5 max.	5.0/0.8
WILMAR 255	TRIPLE PRESSED STEARIC (LOW I.V.)	54.5-56.0	205-211	0.7 max.	1.5/0.4
WILMAR 254	DOUBLE PRESSED STEARIC ACID	53.5-54.5	205-211	7.0 max.	2.0/0.5
WILMAR 253	SINGLE PRESSED STEARIC ACID	52.7-54.5	205-211	12 max.	10/2.0
WILMAR 130	OLEIC ACID, WHITE OLEIN LL	10 max.	197-203	84 - 90	5.0/0.5
WILMAR 106	OLEIC ACID, ANTARCTIC RED OIL	5 max.	197-203	90 - 95	5 Gardner
WILMAR 110	OLEIC ACID, ARCTIC RED OIL	8 - 15	197-203	88 - 95	5 Gardner
WILMAR 90	HYDROG. TALLOW FATTY ACID	58 - 60.5	199-205	2 max.	5.0/0.8
WILMAR 80	HYDROG. TALLOW FATTY ACID	57 - 60	198-205	6 max.	10/1.0
WILMAR 75	HYDROG. TALLOW FATTY ACID	52 - 60	192 min.	12 max.	12 Gardner
WILMAR 540	TALLOW FATTY ACID	40 - 43	195-205	50 - 65	5 Gardner
WILMAR 536	TALLOW FATTY ACID	36 - 40	195-203	55 - 75	10 Gardner
WILMAR 807	MIXED FATTY ACID	28 - 32	195-202	95 -115	8 Gardner
WILMAR 710	COCONUT FATTY ACID, STRIPPED	24 - 31	250-263	7 - 15	5.0/0.5
WILMAR 708	COCONUT FATTY ACID, ESTER GRADE	22 - 28	251-270	6 - 15	5.0/0.5
WILMAR 709	COCONUT FATTY ACID, REGULAR	30 max.	240-250	22 max.	5.0/0.5
WILMAR 611	SOYA TYPE FATTY ACID	29 max.	196-203	110 min.	5 Gardner
WILMAR 434	COTTONSEED TYPE FATTY ACID	38 max.	196-207	85 - 110	6 Gardner
WILMAR 329	CORN TYPE FATTY ACID	32 max.	197-204	105 - 120	5 Gardner
WILMAR 1000	HYDROG. TALLOW GLYCERIDE	58 -60	10 max.†	2 max.	5 Gardner

†Sap. Value 193-197

*Users of Stearic Acid will be particularly interested in WILMAR 272 ESTER GRADE STEARIC ACID, a new product—the result of over three years' development work to produce a high purity Stearic Acid at an economical cost. Its pure white color will not darken even when heated to relatively high temperatures. Very low iodine value makes it extremely resistant to oxidation.

WILMAR 272 is an ideal replacement, in many cases, for more costly hi-Stearics or pressed products.

Typical Applications: Esters, cosmetics, stearates, textiles, soaps, plasticizers, drugs, metallic soaps, polishes, candles, buffing compounds, paper coatings, powdered metals.

NITROGEN DERIVATIVES—WILIMIDS

The "Wilimids" are a series of *cationic* surface active agents which form quaternary salts. These (and other nitrogen derivatives of fatty acids under development) exhibit interesting germicidal, fungicidal, anti-static and surface active properties. Applications include wetting of surfaces, paints, flotation agents, metal cleaning, asphalt coatings, cosmetics, textile agents, cooling tower additives, fungicidal sprays, anti-static sprays, leather processing, germicides, etc. Send for Technical Bulletin on the "Wilimids."

WILMAR GLYCERYL ESTERS

A complete line of glyceryl esters including edible and cosmetic grades for use as emulsifiers, thickeners, anti-foam agents, anti-tack agents, in margarine, ice cream, shortening, cake mixes, caramels, chewing gum, pharmaceuticals, cosmetics, and industrial emulsions. Monoglyceride contents as high as 65%. The WILMAR GLYCERYL ESTERS are unusually light in color, bland in odor and taste—reflecting the outstanding color, odor and oxidation stability of the WILMAR FATTY ACIDS from which they are produced:

GMS Glyceryl mono Stearate
GMS-65 (65 mono content)
GMS- Cosmetic Grade
GMS- Food Grade
GMO Glyceryl mono Oleate
GMO clear
GMO clear, hi- mono
GTO Glyceryl tri Oleate
GML Glyceryl mono Laurate

CONTINUED ▶

WILMAR ALCOHOL ESTERS

- Butyl Stearate
- Butyl "Cellosolve" Stearate
- Isopropyl Stearate
- Butyl Oleate
- Propyl Oleate
- Isopropyl Oleate
- Isopropyl Palmitate
- Isopropyl Myristate
- Plasticizers

Typical analysis of just a few of the many grades of high quality WILMAR ALCOHOL ESTERS.

WILMAR	Color Gardner	Acid Value	Iodine Value	Sap. Value
BUTYL OLEATE	< 1	3.0	77	166
PROPYL OLEATE*	< 1	3.0	79	174
ISOOCTYL OLEATE	< 1	3.0	65	145
ISOPROPYL PALMITATE	15 APHA Hazen	1.0	0.5	187
ISOPROPYL MYRISTATE	15 APHA Hazen	1.0	0.5	207
BUTYL STEARATE	25 APHA Hazen	1.0	0.9	169

*Normal or Isopropyl

The WILMAR process results in esters of unusually light color and excellent heat and storage stability, making them especially useful in applications such as Cosmetics, Plasticizers, Lubricants, and Textile Chemicals. Inquiries are invited on different plasticizer grade specifications.

- Esters of other alcohols or different acids also available on a custom basis.

WILMAR GLYCOL and POLYGLYCOL ESTERS

- Ethylene Glycol — mono / di — Stearate, Oleate, Laurate
- Diethylene Glycol — mono / di — Stearate, Oleate, Laurate
- Diglycol Stearate
- Diglycol Laurate
- Triethylene Glycol — mono / di — Stearate, Oleate, Laurate
- Polyethylene Glycol 200 — mono / di — Stearate, Oleate, Laurate
- Polyethylene Glycol 400 — mono / di — Stearate, Oleate, Laurate
- Polyethylene Glycol 600 — mono / di — Stearate, Oleate, Laurate
- Propylene Glycol — mono / di — Stearate, Oleate, Laurate

- Esters of other acids or higher glycols also available.

The WILMAR Glycol and polyglycol esters are nonionic surface active agents—emulsifiers, plasticizers, lubricants, wetting agents, spreading agents, detergents, solubilizers, penetrants, anti-foaming agents—for use in cosmetics, pharmaceuticals, textiles, paper, insecticides, waxes, cleaning compounds, etc. A complete line of esters with a wide range of hydrophilic/lipophilic ratio.

SPECIAL DERIVATIVES

Many other esters, nitrogen compounds, or special modifications are available for custom requirements. The combination of new, ultra-modern production facilities, technical know-how and a basic position in the animal fat and fatty acid fields give WILSON-MARTIN the ability to meet the most demanding requirements. It will pay you in lower costs and increased sales to consult WILSON-MARTIN for *any* fatty acid derivative requirement.

LITERATURE—SAMPLES—TECHNICAL SERVICE

Informative brochures, technical bulletins, product samples, and technical assistance available on request. Write:

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- East Boston 26, Mass., The Plymouth Chemical Corp., P. O. Box 23
- Buffalo 10, N. Y., Triangle Chemical Company, 290 Larkin Street
- Charlotte, N. C., Moreland Chemical Company, Inc., 425 Atando Avenue
  Chattanooga 9, Tenn., J. H. Mc Call Company, P. O. Box 2033
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  Cleveland 15, Ohio, Donald Mc Kay Smith, Inc., 550 Hanna Bldg.
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Snyder Ave. & Swanson St., Phila. 48, Pa.

Div. of WILSON & CO., Inc.

Producers of Esters for over 25 years

WARWICK WAX

the broadest coverage in the WAX *field*

NAME OF WAX	M.P. A.S.T.M. D-127-30	PENETRATION 100g/77°/ 5 SEC.	COLOR N.P.A.	ACID NUMBER	SAPONIFICATION VALUE	TYPE
Cardis Polymer #10	212-216	0-1	1-1½	8-10	25-30	Polymer
Cardis Polymer #8	205-210	1-2	3-5	7-10	24-28	Polymer
Cardis One†	195-200	1-2	4-5	12-16	45-55	Emulsifiable Petroleum Wax
Cardis 314®	184-189	4-6	4-5	13-16	45-55	Emulsifiable Petroleum Wax
Cardis 319®	180-185	5-7	4-6	18-20	65-70	Emulsifiable Petroleum Wax
Cardis 320®	180-185	5-7	4-5	28-30	75-80	Emulsifiable Petroleum Wax
Cardis 262®	195-200	3-5	Brown	14-17	40-45	Specially Processed Petroleum Wax
Polymekon®	195 MIN.	0-3	Yellow	0-0	0-0	Specially Processed Petroleum Wax
Polymekon® D	190-195	3-5	1-2	0-0	0-0	Specially Processed Petroleum Wax
Fortex®	190-200	3-5	2½-3½	0-0	0-0	Microcrystalline Hard & Plastic
Mekon® B-20	190-195	3-5	Brown-Black	0-0	0-0	Microcrystalline Hard & Brittle
Mekon® A-20	190-195	3-5	Amber-6 Max.	0-0	0-0	Microcrystalline Hard & Brittle
Mekon® Y-20	190-195	3-5	Yellow-3-3½	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax #5	158-160	9-10	Ivory	—	—	Specially Processed Petroleum Wax
Warcocire 190	190-195	3-4	1-2	0-0	0-0	Microcrystalline Plastic
Warcocire 180	175-180	20-25	1-2	0-0	0-0	Microcrystalline Plastic
Warco® Wax 180 White	180-185	4-7	White	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax 180 Brown	180-185	4-7	Brown	0-0	0-0	Microcrystalline Hard & Brittle
Warco® Wax 170-A Yellow	170-175	10-15	Yellow 1-2	0-0	0-0	Microcrystalline Plastic
Warco® Wax 170-A Brown	170-175	10-15	Brown	0-0	0-0	Microcrystalline Plastic
Warco® Wax 150-A Yellow	145-155	15-20	Yellow 1-2	0-0	0-0	Microcrystalline Plastic
Warco® Wax 150-A Brown	145-155	15-20	Brown	0-0	0-0	Microcrystalline Plastic
Warcosine®	150-155	15-20	White	0-0	0-0	Microcrystalline Plastic
Paraffin	All Grades	— FULLY REFINED —				Crystalline
Cane Wax 500	171-176	3 Max.	Light Brown	25-35	55-70	Vegetable Wax
Cane Wax 511	176-180	2 Max.	Brown	60-65	0-0	Vegetable Wax
Cane Wax 517-711	171-173	2 Max.	Black	—	—	Vegetable Wax
Cane Wax 700	169-174	1.0-1.5	Light Brown	25-30	70-90	Vegetable Wax

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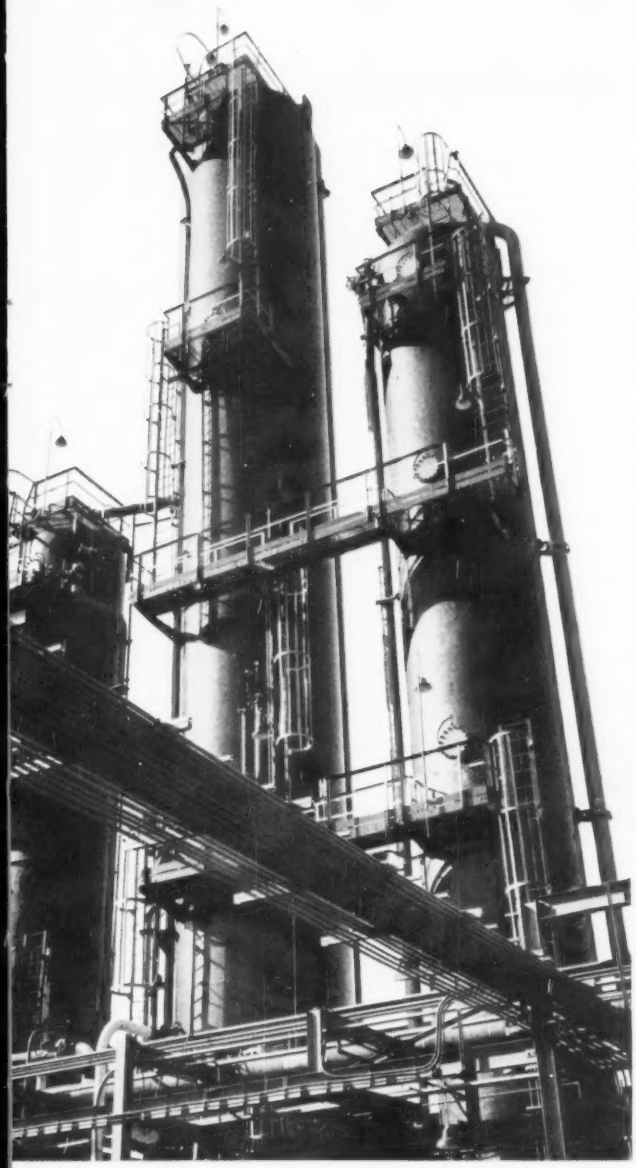
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WYANDOTTE CHEMICALS CORPORATION • WYANDOTTE, MICHIGAN



Pacing progress with creative chemistry

Throughout its seventy-year history, Wyandotte has held firmly to the conviction that a producer of chemical raw materials can best make creative contributions to progress by taking an active, participating interest in the needs of its customer industries.

Putting this conviction to work, Wyandotte has developed new and better basic chemicals for products ranging from face creams, detergents, and paper coatings to urethane foams, brake fluids, and food products. Some of these chemicals are featured on the next two pages.

You'll find a more complete list of Wyandotte organic and inorganic chemicals — with grades and shipping information — on our fourth page. For skilled technical assistance in the use of our products — detailed technical data — or other specific information — write: *Wyandotte Chemicals Corporation, Michigan Alkali Division, Dept. 817, Wyandotte, Mich.*

It's progress. Ethylene oxide unit at Wyandotte's new Geismar Works near Baton Rouge, Louisiana, represents the first such application of direct-oxidation process in the U.S. Capacity: 60 million pounds a year.

WYANDOTTE ALKYLENE OXIDES

ETHYLENE OXIDE

Properties: Ethylene oxide content, 99.7% min. Acidity (as acetic acid), 0.005% max. Aldehydes, 0.01% max. Color (APHA), 10 max. Chlorides, 0.01% max. Moisture 0.05% max. Non-volatile residue, 0.01 g/100 ml.

Uses: As raw materials for manufacturing nonionic synthetic detergents, glycols, ethanalomines, glycol ethers, demulsifying agents, synthetic fibers, pharmaceuticals, and fumigants.

PROPYLENE OXIDE

Properties: Acidity, 0.005% max. Aldehyde, 0.05% max. Carbon Dioxide, 0.01% max. Chlorides, 0.01% max. Color (APHA), 10 max. Moisture, 0.05% max. Non-volatile residue, 0.002 g/100 ml.

Uses: As raw materials in manufacturing propylene and polypropylene glycols, surfactants, petroleum demulsifiers, oil additives, textile dyes and lubricants, and pharmaceuticals.

POLYOLS

PLURONIC® SERIES—100% active nonionic surface-active agents

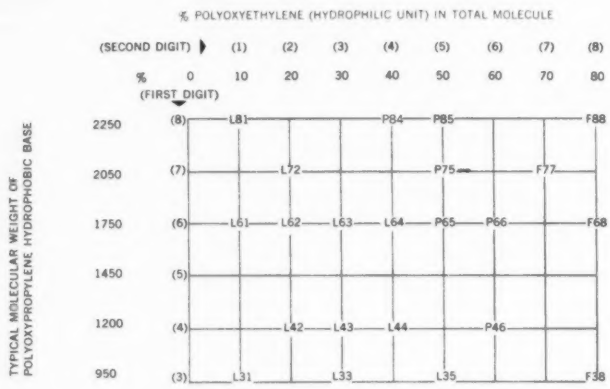
Properties: A series of related difunctional block-polymers terminating in primary hydroxyl groups. Available in liquid, paste, flake, powder, and cast-solid forms . . . with molecular weights ranging from 1000 to over 11,000.

In the Pluronic series, almost any ratio of hydrophobe to hydrophile can be achieved . . . to produce a wide range of properties, which vary in small, controllable increments.

The Pluronic Grid

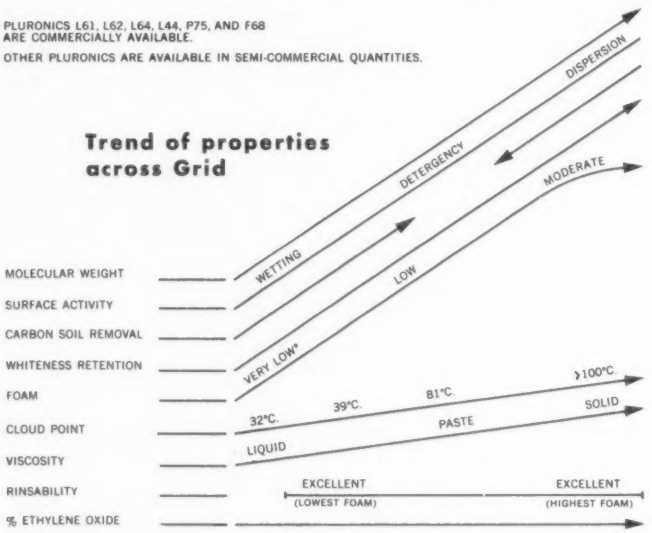
gives a graphic presentation of general property trends for the complete series . . . grades L31 (liquid) through F88 (flake).

Our four-page folder, *The Pluronic Grid Approach* — incorporating the full Grid with detailed examples of use — provides a systematic method of screening to minimize costly random evaluation in selecting the correct grade to satisfy specific use conditions. Write for your copy, today.



PLURONICS L61, L62, L64, L44, P75, AND F68 ARE COMMERCIALLY AVAILABLE.
OTHER PLURONICS ARE AVAILABLE IN SEMI-COMMERCIAL QUANTITIES.

Trend of properties across Grid



EMULSIFICATION— ALL PLURONICS HAVE FOUND APPLICATIONS AS EMULSIFYING AGENTS.

*ABOUT 10% PLURONIC L61 (BASED ON THE TOTAL WEIGHT OF PLURONIC) EFFECTIVELY REDUCES THE FOAMING OF THE OTHER PLURONICS.

Uses: Low-foaming laundry detergents, machine-dishwashing compounds, rinse aids, insecticide emulsifiers and dustlayers, metal cleaning, metal cutting, dye leveling, petroleum demulsifying, textile processing, water treating, pharmaceuticals, shampoos, adhesives, and paint pigment dispersants.

POLYOLS

PLURACOL® E SERIES (polyethylene glycols)

There are ten grades in Wyandotte's series of poly*ethylene* glycols – the Pluracol E's – ranging in physical form from liquids to cast solids. Each grade is identified by its molecular weight . . . i.e., Pluracol E 200 has an average molecular weight of 200.

Properties: Pluracols E 200, E 300, E 400, and E 600 are liquid grades – water-white, non-volatile, and miscible with water in all proportions. Pluracols E 1000, E Blend 500, E 1500, E 2000, E 4000, and E 6000, are solid grades . . . completely water soluble.

Uses: Members of the Pluracol E series impart a soft, pliable "hand" to hydrophilic yarns such as cotton, viscose, and acetate; also are used as textile softeners, plasticizers, humectants, and yarn lubricants. Excellent rubber lubricant qualities make Pluracol E's particularly suitable mold-release agents, airbag and latex lubricants. In pharmaceuticals and cosmetics, they act as bases for ointments and creams.

PLURACOL P SERIES (polypropylene glycols)

The Pluracol P polypropylene glycols are available in four liquid grades: Pluracols P 410, P 710, P 1010, and P 2010. As with Pluracol E's, numbers indicate average molecular weights.

Properties: All Pluracol P's are virtually water-white and non-volatile, with a slight ether-like odor. Their water solubility decreases with increasing molecular weight . . . i.e., P 410 is completely water soluble, P 710 is moderately soluble, while P 1010 and P 2010 are practically insoluble at room temperature.

Uses: Hydraulic-brake fluids, other functional fluids. Chemical intermediates in forming mono- and diesters, ethers, acetals, amines, amides and thioethers. Pluracol P 2010 has found wide acceptance in the preparation of polyurethane foams.

PLURACOL TP TRIOLS

A new series of trifunctional polyols available in five liquid grades: Pluracols TP 440, TP 740, TP 1540, TP 2540, and TP 4040. Numbers indicate average molecular weights.

TETRONIC® SERIES–100% active nonionic surface-active agents

Properties: A tetrafunctional series of polyether block-polymers ranging in physical form from liquids through pastes to flakeable solids. Physical state varies with molecular weight and oxyethylene content. All members of the series are 100% active agent . . . have excellent detergency and lime-soap dispersing properties . . . and are low to moderate foamers. Some show defoaming activity.

Uses: Preparation of both flexible and rigid polyurethane foams . . . prepolymers can be made; "one-shot" techniques can also be used. Emulsifying and demulsifying agents. The presence of two tertiary nitrogen atoms in the molecule suggests that the Tetronic polyols may have substantive properties in textile processing.

CALCIUM CARBONATES

PURECAL® SERIES (precipitated calcium carbonates)

Wyandotte's calcium carbonates, the Purecals, are produced by a special precipitation process which results in finer particles of greater uniformity than is possible by any other method. Cubical shape of particles results in higher packed density, lower surface area, better flow and leveling. All grades are exceptionally pure and white.

Uses: Coating ingredients for fine paper stocks. Non-black filler in rubber and plastics industries. Pigment extender for paints, printing inks. Filler in dentifrices, cosmetics, pharmaceuticals. Neutralizing agent in preparation of antibiotics. Insecticide carrier. Enamel-color extender in ceramics production. Calcium enrichment of food products.

Properties	Purecal O	Purecal T	Purecal U	Purecal SC*
Molecular Weight	100.09	100.09	100.09	100.09
Particle Size, Microns Range: (Electron Microscope) Mean:	0.02-0.45 0.12	0.01-0.16 0.043	0.01-0.12 0.043	0.01-0.16 0.05
Specific Gravity	2.65	2.65	2.65	2.55
Packed Density g./cc	0.62-0.72	0.48-0.54	0.48-0.54	0.54-0.58
Color	White	White	White	White
Color Analysis (MgO = 100) (General Electric Recording Spectrophotometer)	100	100	100	99.0
Oil Absorption**	32	52	55	40
Residues 325 Mesh (incl. 200M)	nil	1.5	1.5	1.5
Index of Refraction	1.658	1.658	1.658	–

*Purecal SC has a 2% modified fatty acid treatment, coating each particle, that acts to upgrade modulus, "snap", and resilience in rubber. Also gives controlled curing rate.

**cc linseed oil per 100 grams pigment.

WYANDOTTE CHEMICALS CORPORATION • WYANDOTTE, MICHIGAN

	PRODUCT	GRADES AVAILABLE	SHIPPING INFORMATION
INORGANIC	BICARBONATE OF SODA	Better Blend Soda.* Powdered.† Granular.† Extra Fine. Industrial.	Bag, barrels or kegs in boxcars or truck.
	CALCIUM CARBONATE PRECIPITATED . . . PURECAL*	Purecal-M (fine particle).† Purecal-O (fine particle).† Purecal-SC (ultra-fine-coated). Purecal-T (ultra-fine).† Purecal-U (ultra-fine).†	Bagged, in boxcars, truck, bulk-hopper cars.
	CALCIUM CHLORIDE	Flake (77-80%), Pellet (94-97%), Lump, Solid, Anhydrous, Liquor.	Bags, steel drums in boxcars or trucks. Liquor—tank cars or tank trucks. Bulk: Flake and pellet—hopper cars, tank cars, or dump trucks.
	CAUSTIC SODA	Several grades are offered to meet individual specifications. Available in the following forms: 50% liquid, 74% liquid, solid, standard flake, ¼" flake, crystal, *Flo-chilled**, granular and powder.†	Standard or openhead non-returnable drums, in boxcars, truck and barge. Liquid—tank car and barge.
	CHLORINE	Liquid.	Available in 16, 30 and 55-ton tank cars.
	SODA ASH	Available in grades of light and dense ash—all grades are chemically identical, varying only in particle size.	Bags or bulk, in boxcars, hopper cars, truck or barge.
ORGANIC	ANTIFREEZE	Ethylene glycol base.	4,000, 8,000, 10,000-gal. tank cars; tank trucks. Also private label in quart and gallon cans.
	CARBOSE*	Various grades of sodium carboxymethylcellulose, for detergency promotion, paint, paper and textile coatings, drilling muds and other industrial applications.	Leverpak, non-returnable drums and bags by boxcar or truck.
	DICHLOROETHYL ETHER DICHLOROISOPROPYL ETHER	Industrial.	55-gal. drums, 4,000, 8,000 and 10,000-gal. tank cars.
	DODECYLBENZENE SULFONIC ACID	Liquid (87-88% active agent).	55-gal. drums and 8,000-gal tank cars.
	DIETHYLENE GLYCOL ETHYLENE DICHLORIDE ETHYLENE GLYCOL	Industrial grade.	55-gal. drums; 4,000, 8,000 and 10,000-gal. tank cars.
	ETHYLENE OXIDE	Industrial.	4,000 and 10,000-gal. tank cars.
	HALANE*	A chlorine-liberating compound—dichlorodimethylhydantoin.	25 and 200-lb. leverpak drums by boxcar and truck.
	MONOCHLOROBENZENE	Technical.	55-gal. drums, boxcar and truck. 8,000 and 10,000-gal. tank cars.
	PLURACOL* E (POLYETHYLENE GLYCOLS)	E200, E300, E400†, E600, E1000, E1500, E Blend 500, E2000, E4000†, and E6000.	Pluracol E flake solids available in bags. Liquid grades shipped in 55-gal. drums; 4,000 and 10,000-gal. tank cars. Tank trucks where practical.
	PLURACOL* P (POLYPROPYLENE GLYCOLS)	P410, P710, P1010, P2010.	
	PROPYLENE DICHLORIDE	Industrial.	55-gal. drums; 4,000, 8,000 and 10,000-gal. tank cars. Tank trucks where practical.
	PROPYLENE OXIDE	Industrial.	55-gal. drums; 4,000 and 10,000-gal. tank cars.
	PLURONIC* TETRONIC*	100% active nonionic surfactants. Available in liquid, paste, flake, powder and solid forms.	5, 15 and 55-gal. steel drums, 22½ and 55-gal. leverpak drums by boxcars and trucks. 4,000, 8,000 and 10,000-gal. tank cars.
	QUADROL* [N,N,N',N'—TETRAKIS (2-HYDROXYPROPYL) ETHYLENEDIAMINE]		5, 15, 55-gal. drums.
	MONOLENE* [N-(2-HYDROXYPROPYL) ETHYLENEDIAMINE]		

For more detailed information on any of these Wyandotte products, write: Wyandotte Chemicals Corporation, Michigan Alkali Division, Dept. 817, Wyandotte, Michigan.

*Reg. U.S. Pat. Off. †Conforms with U.S.P.XV Standards

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How about *you*? Phone or write your nearest Witco representative today for details of any of the products listed below. It pays to buy Witco.

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Stearates, Paint Driers, Plasticizers, Stabilizers, Fungicides, Emulsifiers, Witcarb®, Stearite®, Phthalic Anhydride, Surface Active Agents, Fomrez® Resins for Urethane Foams, Extenders, Emcols Applications—paints, varnishes, lacquer, rubber, plastics, cosmetics, paper, inks, chemicals, grease, pharmaceuticals, agricultural, food, industrial chemical, dry cleaning, ore, flotation

RUBBER CHEMICALS DIVISION:

Carbon Black, Plasticizers, Softeners, Anti-Sunchecking Waxes, M.R. (Hard Hydrocarbon) Pigment Blacks Applications—rubber, paint, ink, paper, plastics

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All Organic and Rubber Chemical Products for all consuming industries in Canada

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London and Manchester, England

CHEMICALS, RAW MATERIALS AND SPECIALTIES

See Chemicals Company Directory (pp. 5-22) for addresses, telephone numbers and branches.
See page 2 for explanation of symbols and page 4 for explanation of arrangement.

A

ABIETIC ANHYDRIDE see Rosin, Gum

ABIETINIC ACID see Acid, Abietic

ABRASIVES

►Berkshire Chems Inc
Charles B Chrystal Co
*Olin Mathieson Chem Corp, Industrial Chems
►*Titanium Alloy Mfg Div
Whittaker, Clark & Daniels

*Composition Materials Co
*Wallace A Erickson & Co
*Exolon Co
*Illinois Minerals Co
*Linde Co
*Macklin Co
*Tamms Industries

ABSORBENTS, ACID, GAS

►*Allied Chem Corp, Nitrogen Div
*Antara Chem Div
►*Davison Chem Co Div
*Dow Chem Co
►*Jefferson Chem Co
►*Minerals & Chem Corp of America
*Olin Mathieson Chem Corp, Organic Chems
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*Westvaco Mineral Products Div

*Barium & Chems
*Bio-Rad Labs
*Dewey & Almy Chem Div
*Filtrol Corp
*W A Hammond Drierite
*Zonolite Co

ABSORBENTS, OIL & GREASE

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*Johns-Manville
E & F King & Co
Merchants Chem Co
►*Minerals & Chem Corp of America
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►*Wyandotte Chem Corp

*Ampion Corp
*Eagle-Picher Co
*Filtrol Corp
*Floridin Co
*Mobil Oil Co
*Oakite Products
*Tennessee Products & Chem Corp
*United States Petrochem Co

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*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Argus Chem Corp
*Catalin Corp of America
*Dow Chem Co
*Heyden Newport Chem Corp
►*Koppers Co, Chems & Dyestuffs Div

*American Phosphors Corp
*Colgate-Palmolive Co
*E I du Pont de Nemours & Co, Finishes Div, Fabrics & Finishes Dept
*Ferro Chem Corp
*Fiber Chem Corp
*Geigy Industrial Chem Div
*Pilot Chems, Inc
*Rhodia, Inc

ACACIA GUM see Gum Arabic

ACCELERATORS, POLYMERIZATION

►*Allied Chem Corp, National Aniline Div
►Berkshire Chems Inc
►*Borden Chem Co
*Hercules Powder Co
►*Hooker Chem Corp
*J M Huber Corp
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ACID, ADIPIC (Butane Dicarboxylic Acid, Adipinic Acid, Hexanedioic Acid

►*Allied Chem Corp, National Aniline Div
►Allied Chem Corp, Plastics & Coal Chems Div
Fallek Products Co
Mercer Chem Corp
►*Monsanto Chem Co

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Tracerlab Inc

ACID, ALGINIC

*Aldrich Chem Co
Croda, Inc
*Marine Colloids, Inc

ACID-ALKALI-SOLVENT PROOFING COMPOUNDS

►*Witco Chem Co

*Adhesive Products Corp
*Atlas Mineral Products Co
*Carboline Co
*Chase Chem Corp
*Coopers Creek Chem
*Highside Chems
*Rubba, Inc
*Sauereisen Cements Co
*Wye Industries

ACID, ALKANESULFONIC, MIXED

*Pilot California Co

ACID, ALKYL BENZENE SULFONIC

►*Allied Chem Corp, National Aniline Div
►*Continental Oil Co
*Finetex Inc
►*Monsanto Chem Co
*Oronite Chem Co
*Stepan Chem Co
►*Tennessee Corp
*Ultra Chem Works Div
►*Witco Chem Co
*Jacques Wolf & Co

*Ardmore Chem Co
*Pilot California Co
*Surfact Co
*Tanatex Chem Corp
*Wica Chem

ACID, ALLANTOIC

*Eastern Chem Corp
*Chas Pfizer & Co

*Octagon Process, Inc
*Polychemical Labs
*Schuylkill Chem Co
*Sutton Labs

ACID, ALLOMALEIC see Acid, Fumaric

ACID, 5-ALLYL-5-ISOPROPYL BARBITURIC see Aprobarbital

ACID, 5-ALLYL-5-PHENYLBARBITURIC

*Gane's Chem Works
George Uhe Co

ACID, AMBER see Acid, Succinic

ACIDS, AMINO

*Aldrich Chem Co
►*American Cyanamid Co, Fine Chems Dept
►*Borden Chem Co
*Central Research Labs
*Dow Chem Co
*Eastman Organic Chems
*Fallek Products Co
Henley & Co
McKesson & Robbins, Inc, Chem Dept
*Pfanstiehl Labs
*Chas Pfizer & Co
*R S A Corp
George Uhe Co

*Amber Labs
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Geigy Industrial Chem Co
*Kaplop Labs
*Milbrew Co
*Schwarz Labs
*A E Staley Mfg Co
*Standard Feed & Fertilizer
*Wilson Labs

ACID, AMINOACETIC see Glycine

ACID, AMINOAZOBENZENEDISULFONIC

*Aldrich Chem Co
*Winthrop Labs

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Peerless Color Co
*Sandoz, Inc

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

ACID, m-AMINOBENZENE SULFONIC see Acid, Metanilic

ACID, p-AMINOBENZENESULFONIC see Acid, Sulfanilic

ACID, m-AMINOBENZOIC
*Winthrop Labs

ACID, o-AMINOBENZOIC see Acid, Anthranilic

ACID, p-AMINOBENZOIC
►*Allied Chem Corp, National Aniline Div
J H DeLamar & Son
*Fallek Products Co
*Fisher Scientific Co
Gane & Ingram
*Chas L Huisking & Co
*NYQ Chem Div, S B Penick & Co
*Chemo Puro Mfg Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*B L Lemke & Co
*Polychemical Labs
*Roselle Labs

ACID, α-AMINOCAPROIC
*Eastern Chem Corp
*Farchan Research Labs

ACID, 2-AMINOETHANESULFONIC see Taurine

ACID, p-AMINOHIPPURIC
►*Aceto Chem Co
*Eastern Chem Corp

ACID, α-AMINO-β-p-HYDROXYPHENYLPROPIONIC see Tyrosine

ACID, α-AMINO-β-IMIDAZOLEPROPIONIC see Histidine Monohydrochloride

ACID, 1-AMINOISOBUTYRIC (α-Aminoisobutyric Acid)
*K & K Labs

ACID, α-AMINOISOCAPROIC see Leucine

ACID, AMINO J see Acid, 2-Naphthylamine-5,7-Disulfonic

H-ACIDS, AMINO, METALLIC COMPLEXES
*Central Research Labs

ACIDS, AMINO NAPHTHALENE SULFONIC see corresponding Acid, Naphthylamine Sulfonic

ACID, 1-AMINO-8-NAPHTHOL-2,4-DISULFONIC see Acid, 8-Amino-1-Naphthol-5,7-Disulfonic

ACID, 8-AMINO-1-NAPHTHOL-3,6-DISULFONIC (H Acid; 1-Amino-8-Naphthol-3,6-Disulfonic Acid)
►*Allied Chem Corp, National Aniline Div
Browning Chem Corp
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

ACID, 8-AMINO-1-NAPHTHOL-5,7-DISULFONIC (Chicago Acid; SS Acid; 1-Amino-8-Naphthol-2,4-Disulfonic Acid)
►*Allied Chem Corp, National Aniline Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Sandoz, Inc

ACID, 1-AMINO-2-NAPHTHOL-4-SULFONIC (1,2,4-Acid)
►*Allied Chem Corp, National Aniline Div
*Andor Labs
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Peerless Color Co
*Sandoz, Inc

ACID, 6-AMINO-1-NAPHTHOL-3-SULFONIC (J Acid; 2-Amino-5-Naphthol-7-Sulfonic Acid)
►*Allied Chem Corp, National Aniline Div
*Fallek Products Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Nyanza Color & Chem Co
*Sandoz, Inc
*Wilson Organic Chems

ACID, 7-AMINO-1-NAPHTHOL-3-SULFONIC (Gamma Acid; 2-Amino-8-Naphthol-6-Sulfonic Acid)
►*Allied Chem Corp, National Aniline Div
Fallek Products Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

ACID, 8-AMINO-1-NAPHTHOL-5-SULFONIC (S Acid; 1-Amino-8-Naphthol-4-Sulfonic Acid)
►*Allied Chem Corp, National Analine Div
*Francolor, Inc

ACID, o-AMINOPHENOL-p-SULFONIC
►*Allied Chem Corp, National Aniline Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Carwin Co
*Sandoz, Inc

ACID, p-AMINOPHENYLARSENIC see Acid, Arsanilic

ACID, 4-AMINOSALICYLIC
*Aldrich Chem Co
Industrial Chem & Dye Co
Koursel Corp
George Uhe Co
*Roselle Labs

ACID, 5-AMINOSALICYLIC
*Aldrich Chem Co
*Eastern Chem Corp
*Fairmount Chem Co

ACID, 1-AMINOSUCCINAMIC see Asparagine

ACID, p-ANILINESULFONIC see Acid, Sulfanilic

ACID, 7-ANILINO-1-NAPHTHOL-3-SULFONIC (Phenyl Gamma Acid; Phenyl-2-Amino-8-Naphthol-6-Sulfonic Acid)
►*Allied Chem Corp, National Aniline Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, ANISIC (Methoxybenzoic Acid, Umbellic Acid, Dragonic Acid, Methyl-p-Oxybenzoic Acid)
R W Greeff & Co
Heyden Newport Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See Company directory for addresses

DOW
AMINO ACIDS
7 ESSENTIAL
Available in research or commercial quantities
L-Isoleucine with D-Alloisoleucine
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DL-Phenylalanine
DL-Tryptophan
DL-Valine
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Midland, Michigan
DOW
Sales offices in principal cities

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basic manufacturers of:
Arginine
Histidine
Lysine
Glutamine
Ornithine
Citrulline
Homocitrulline
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Threonine *
Tryptophan *
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ANTHRANILIC ACID

SPECIFICATIONS:

Assay:	99% min.
Moisture:	0.5% max.
Melting Point:	145° min.

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Dyes
Pigments
Flavors
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Pharmaceuticals

MAUMEE CHEMICAL CO.

2 Oak Street
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Phone: OX-1 3516

ACID, ANTHRANILIC (o-Aminobenzoic Acid)

*Ciba Co
*Dow Chem Co
*Fallek Products Co
R W Greeff & Co
►*Maumee Chem Co
Riches-Nelson, Inc

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

ACID, ANTHRAQUINONE-2-CARBOXYLIC

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div

ACID, ANTHRAQUINONIC see Alizarin

ACID, ANTIMONIC see Antimony Pentoxide

ACID, ANTIMONOUS, ANHYDROUS see Antimony Trioxide

ACID, APPLE see Acid, Malic

ACID, ARACHIDIC (Arachic Acid; Eicosanoic Acid)

►Aceto Chem Corp
*Eastern Chem Corp
*Archer-Daniels-Midland Co

ACID, ARSANILIC (Atoxylic Acid, p-Amino-phenylarsenic Acid, Arsenic Acid Anilide)

►Baird Chem Industries, Inc
*Fallek Products Co
Fisher Chem Co
R W Greeff & Co
McKesson & Robbins, Inc, Chem Dept

*Abbott Labs
*Gamma Chem Corp
*Polychemical Labs
*Roselle Labs
*Whitmoyer Labs

ACID, ARSENIC (Arsenic Pentoxide, o-Arsenic Acid)

►*J T Baker Chem Co
Chemical Affiliates
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
Republic Chem Corp
*Sherwin-Williams Co

*California Spray-Chem Corp
*Los Angeles Chem Co
*Niagara Chem Div

ACID, ARSENIC, ANHYDRIDE see Arsenic Pentoxide

ACID, ARSENIOUS see Arsenic Trioxide

ACID, ASCORBIC

►*American Cyanamid, Fine Chems Dept
►Barclay Chem Co
Browning Chem Corp
European Chem Co
*Fallek Products Co
Industrial Chem & Dye Co
Intra Continental Export Co
*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
George Uhe Co
Vitamins, Inc
*Roselle Labs

ACID, ASCORBIC, COATED

*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co

ACID, ASPARTIC

►*Allied Chem Corp, National Aniline Div
►*Borden Chem Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

U.S. PIPE

AROMATIC SULFONIC ACIDS

Benzenesulfonic Acid
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Chemical Division

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Arsenic, Crystal	Iodic	Picric
Arsenious	Lactic	Pyrogallic
Benzoic	Molybdic	Salicylic
Boric	Monochloracetic	Silicic
Carbolic	Nitric (C. P.)	Silico-Tungstic
Chloroplatinic	Nitric, Fuming	Succinic
Chromic	Nitric, Red Fuming	Sulfanilic
Fluoboric	Oxalic	Sulfuric (C. P.)
Fluosulfonic	Perchloric	Sulfuric, Fuming
Formic, 98-100%	Phosphomolybdic	Sulfurous
Hydriodic	Phosphoric, Meta	Tannic, Light
Hydrobromic	Phosphoric, Anhydride	Trichloroacetic
Hydrochloric (C. P.)	Phosphoric, Ortho	

Offices in Principal Cities—See Directory Section

BAKER & ADAMSON® Reagents & Fine Chemicals

Allied Chemical

GENERAL CHEMICAL DIVISION
40 Rector Street, New York 6, N. Y.

ACID, AZELAIC
*Emery Industries
Wallach-Gracer Export Corp

ACID, BARBITURIC (Malonyl Urea. Pyrimidinetrione)
*Gane's Chem Works
R W Greeff & Co
►*Kay-Fries Chems
*Abbott Labs *Tracerlab Inc
*Roselle Labs

ACID, BATTERY see Acid, Electrolyte

ACID, BEHENIC
►Aceto Chem Co
*Fallek Products Co
Gallard-Schlesinger Chem Mfg Corp
*Archer-Daniels-Midland Co *Woburn Chem Corp

ACID, BENZENE-m-DISULFONIC
►*Koppers Co, Chems & Dyestuffs Div
*Pilot California Co

ACID, BENZENESULFONIC
►Baird Chem Industries, Inc
►*Continental Oil Co
►*Monsanto Chem Co
*Oronite Chem Co
*R S A Corp
*United States Pipe & Foundry Co, Chem Div
*Pilot California Co

ACID, BENZILIC (Diphenylglycolic Acid)
►*Aceto Chem Co
►*Benzol Products Co
*Heyden Newport Chem Corp
*B L Lemke & Co *Polychemical Labs

ACID, BENZOIC (phenylformic Acid, Benzenecarboxylic Acid)
►American-British Chem Supplies
*Amoco Chems Corp
►*J T Baker Chem Co
►Barclay Chem Co
Carus Chem Co
*Cowles Chem Co
Harshaw Chem Co
J F Henry Chem Co
*Heyden Newport Chem Corp
►*Hooker Chem Corp
*Kolker Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
*NYQ Chem Div, S B Penick & Co
*Eastern States Petroleum & Chem Corp *Tennessee Products & Chem Corp
*Tracerlab Inc

ACID, BENZOPHENONE DICARBOXYLIC
►*Allied Chem Corp, National Aniline Div

ACID, β-BENZOYLACRYLIC
*Aldrich Chem Co
*K & K Labs

ACID, BORIC (Boracic Acid, o-Boric Acid, Fumarole Acid)
►*Allied Chem Corp, General Chem Div
►American-British Chem Supplies
►*J T Baker Chem Co
►Barclay Chem Co
Browning Chem Corp
*Chemical Affiliates
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Philip A Hunt Co
Independent Chem Corp
Inland Chem Corp
Intra Continental Export Co
►Jones Chems, Inc
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
E M Sergeant Pulp & Chem Co
(Continued)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

Boric Acid

For Other Borates-see listing at BORAX

NEW/ELEMENTAL BORON
CRYSTALLINE AND AMORPHOUS

NEW/BORESTER® Boric Acid Esters

No.	
0	Trimethyl Borate
1	Triethyl Borate
2	(Tri-n-Butyl Borate
	(Triisobutyl Borate
4	Tri-n-Hexyl Borate
5	Tri-n-Octyl Borate
7	Tri-Hexylene Glycol Biborate
8	(Tri-o-Cresyl Borate
	(Tri-mp-Cresyl Borate
11	Tri-n-Propyl Borate
18	Triphenyl Borate
20	Triethanolamine Borate
21	Triisopropanolamine Borate
22	Triallyl Borate
25	Methyl Metaborate
28b	Isopropyl Polyborate
29	2,6,Di-tert-Butyl Phenyl Di-n-Butyl Borate
30	2,6,Di-tert-Butyl-4-Methylphenyl Di-n-Butyl Borate

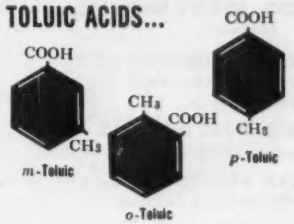
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PACIFIC COAST BORAX COMPANY DIVISION

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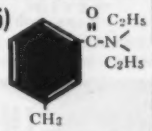
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TOLUIC ACIDS...



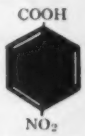
reactions typical of carboxylic acids, providing ideal intermediates for the manufacture of aromatic esters, amides, acid chlorides, nitrile and anhydride compounds.

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developed originally as an insect repellent, Detamide 95 has been found to offer an interesting approach for use as a specialized plasticizer.

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ACID, BORIC (continued)
Sessions-Gifford Co
J U Startwoather Co
▶*Stauffer Chem Co
Thompson-Hayward Chem Co
Joseph Turner & Co
*United States Borax & Chem Corp
*Octagon Process, Inc

ACIDS, BORIC, ALKYL
*Callery Chem Co

ACID, BORIC, ANHYDROUS see Boric Anhydride

ACID, BORIC, DODECYL
*Callery Chem Co

ACID, BORIC, NONYL
*Callery Chem Co

ACID, BOROFLUOHYDRIC see Acid, Fluoboric

ACID, BOROPHOSPHORIC
*Victor Chem Works
*Ander Labs

ACID, BOROTUNGSTIC
*Ansbacher-Siegle Corp

ACID, BROENNER'S see Acid, 2-Naphthylamine-6-Sulfonic

ACID, BROMIC
▶*Westvaco Chlor-Alkali Div

ACID, BROMOACETIC
▶Aceto Chem Co
*Dow Chem Co
*Ander Labs *Hukill Chem Corp

ACID, α-BROMOBUTYRIC
*Dow Chem Co
*K & K Labs
*Eastern Chem Corp
*Carwin Co

ACID, β-BROMOPROPIONIC
*Eastern Chem Corp

ACID, 5-BROMOSALICYLIC
*Dow Chem Co
*Chemo Puro Mfg Corp

ACID, BUTYL ETHYL BARBITURIC
*Gane's Chem Works
R W Greeff & Co

ACID, n-BUTYRIC (Ethylacetic Acid, Butanoic Acid, Propylformic Acid)
▶*J T Baker Chem Co
▶*Celanese Corp of America, Chem Div
▶*Eastman Chem Products
Florasynth Labs
▶Peerless Oil & Chem Corp
*Union Carbide Chems Co
*Tracerlab Inc

ACID, CACODYLIC (Dimethyl Arsenic Acid, Kakodylic Acid)
*Ansul Chem Co
*Arenel Chem Corp *Polychemical Labs
*Edcan Labs

ACID, CALCIUM PHOSPHATE see Calcium Phosphate, Monobasic

ACID, CAMPHORIC
*Aldrich Chem Co
*Fine Organics
*NYQ Chem Div, S B Penick & Co
*R S A Corp
*Polychemical Labs

ACID, CAMPHORSULFONIC
*Fine Organics
*Polychemical Labs

ACID, CAPRIC (Decanoic Acid, Decatoic Acid, Decoic Acid, Decylic Acid)
▶Aceto Chem Co
▶*Armour Industrial Chem Co
*Emery Industries
*Fallek Products Co
*Lever Bros Co
*Foremost Food & Chem Co *Tracerlab Inc

ACID, n-CAPROIC (Hexanoic Acid)
▶Aceto Chem Co
*Fallek Products Co
Florasynth Labs
▶*Trubek Labs

ACID, CAPRYLIC (Hexylacetic Acid, Octanoic Acid, Octoic Acid, Octylic Acid, Octic Acid)
▶Aceto Chem Co
▶*Armour Industrial Chem Co
*Emery Industries
*Fallek Products Co
*Lever Bros Co
*Foremost Food & Chem Co *Tracerlab Inc

ACIDS, CARBAMIC
▶*Monsanto Chem Co

ACID, CARBAMIDE PHOSPHORIC
*Victor Chem Works

ACID, CARBOXYMETHYLMERCAPTOSUCCINIC
*Eastern Chem Corp

ACID, CARMINIC
*Eastern Chem Corp
*Hartman-Leddon Co

ACID, CASSELLA see Acid, 2-Naphthylamine-4,8-Disulfonic

ACID, CHICAGO see Acid, 8-Amino-1-Naphthol-5,7-Disulfonic

ACID, CHLORENDIC
▶*Hooker Chem Corp

ACID CHLORIDES
*Eastern Chem Corp
▶*Hooker Chem Corp
*K & K Labs
*Matheson Coleman & Bell
▶*Monsanto Chem Co

ACID, CHLOROACETIC (Monochloroacetic Acid)
▶*J T Baker Chem Co
*Dow Chem Co
*Hercules Powder Co
Hostachem Corp
International Selling Corp
*Mallinckrodt Chem Works
Robeco Chem

ACID, 2-CHLORO-4-AMINOTOLUENE-5-SULFONIC
*Sherwin-Williams Co
*E I du Pont de Nemours & Co, Dyes & Chem Div *Holland Color & Chem Co

ACID, 2-CHLORO-5-AMINOTOLUENE-4-SULFONIC
*Sherwin-Williams Co
*Holland Color & Chem Co

ACID, CHLOROBENZENE SULFONIC
*Antara Chem Div
*Hukill Chem Corp

ACID, m-CHLOROBENZOIC
*Aldrich Chem Co

ACID, o-CHLOROBENZOIC
*Antara Chem Div
*Heyden Newport Chem Corp

ACID, p-CHLOROBENZOIC
*Antara Chem Div
*Heyden Newport Chem Corp

ACID, CHLOROHYDRIC see Acid, Muriatic

ACID, 2-CHLORO-4-NITROBENZOIC
▶*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*R S A Corp

ACID, p-CHLOROPHENOXYACETIC
▶*Aceto Chem Co
*Amchem Products *Chemo Puro Mfg Corp

ACID, CHLOROPLATINIC
▶*J T Baker Chem Co
*Chemical Commerce
Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co
*Metals & Controls Corp

ACID, CHLOROSULFURIC see Sulfuryl Chloride

ACID, CHLOROSULFONIC (Sulfuric Chlorohydrin)
Matheson Coleman & Bell
▶*Monsanto Chem Co
▶*Tennessee Corp
*E I du Pont de Nemours & Co, Grasselli Chem

ACID, CHOLIC (Glycocholic Acid)
*Fallek Products Co
R W Greeff & Co
*Biorganic Labs *Wilson Labs
*Drug Processors

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Serving Industry Since 1921
MONOCHLORACETIC ACID*
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UNDECYLENIC ACID*
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Heptanoic Acid*
Lauric Acid
Oxalic Acid
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Cable Address: INTSEL—NEW YORK
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*Company classifies itself as producer ▶See catalog advertisement (Advertisers Index)
See company directory for addresses

ACID, CHROMIC (Chromic Anhydride, Chromium Trioxide)

►*Allied Chem Corp, Solvay Process Div
►*J T Baker Chem Co
►Barclay Chem Co
*Better Finishes & Coatings
Browning Chem Corp
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Faesy & Besthoff
Fallek Products Co
Fisher Scientific Co
Globe Chem Co
*Harshaw Chem Co
J F Henry Chem Co
Independent Chem Corp
Inland Chem Corp
►Jones Chems, Inc
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Riches-Nelson, Inc
Thompson-Hayward Chem Co
Wollen Chem & Supply Co

*Fiber Chem Corp *Octagon Process, Inc

ACID, CHROMOTROPIC see Acid, 1,8-Dihydroxynaphthalene-3,6-Disulfonic

ACID, CINNAMIC

►*Benzol Products Co
Florasynth Labs
R W Greeff & Co

ACID, CITRACONIC

*Eastern Chem Corp
*K & K Labs

ACID, CITRIC (β-Hydroxytricarballylic Acid; 2-Hydroxy-1,2,3-Propane Tricarboxylic Acid)

►American-British Chem Supplies
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
Browning Chem Corp
Fallek Products Co
Howe & French Inc
Philip A Hunt Co
Intra Continental Export Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►Merck Chem Div
NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
►*Summer Chem Co Div
Tobey Chem Co

*Takamine Lab *Tracerlab Inc

ACID, CLEVE'S see Acid, 1-Naphthylamine-6- and 7-Sulfonic

ACID, COCONUT

►*Armour Industrial Chem Co
-Emery Industries
*Fallek Products Co
►*Humko-Div
*Lever Brothers Co
Welch, Holme & Clark Co
►*Wilson-Martin (Div Wilson & Co)

*Archer-Daniels-Midland Co *Foremost Food & Chem
*Capital City Products Co *Procter & Gamble

ACID, o-CRESOTIC

*Dow Chem Co

ACID, CRESOTINIC see Acid, o-Cresotic

ACID, CRESYLIC (Cresyl; p-Cresylol; Methyl Phenol)

►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
H J Baker & Bro
►Barclay Chem Co
Concord Chem Co
Fallek Products Co
M W Hardy & Co
McKesson & Robbins, Inc, Chem Dept
Midland Tar Distillers
Millmaster Chem Corp
(Continued)

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*Company classifies itself as producer
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*Productol Co
*Reilly Tar & Chem Corp
Republic Chem Corp
Irving M Sobin Chem Co
Tar Residuals
Thompson-Hayward Chem Co
Trio Chem Works

*Atlantic Refining Co
*Coopers Creek Chem Corp
*Crowley Tar Products Corp
*Koppers Co, Tar Products Div
*Merichem Div
*Mobil Oil Co
*Octagon Process, Inc
*Pitt-Consul Chem Co
*Shell Oil Co
*United States Steel Corp

ACID, CROTONIC

►*Eastman Chem Products
Hostachem Corp

ACID, 1,2-CYCLOBUTANEDICARBOXYLIC (Ethylenesuccinic Acid)

*Aldrich Chem Co
*K & K Labs
*Kaplop Labs

ACID, CYCLOHEXANECARBOXYLIC see Acids, Naphthenic

ACID, CYCLOHEXYLPROPIONIC

*K & K Labs

ACID, CYCLOPENTYLPROPIONIC

*Arapahoe Chem
*Millmaster Chem Corp

ACID, CYCLOPROPANE CARBOXYLIC

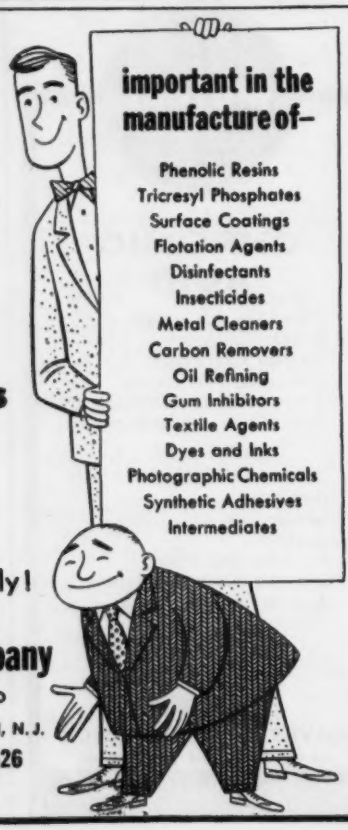
*Aldrich Chem Co
*Harchem Div, Wallace & Tiernan Inc
*K & K Labs
*Kaplop Labs

ACID, DECANEDIOIC see Acid, Sebacic
ACID, DECANOIC see Acid, Capric
ACID, DECYLIC see Acid, Capric

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*Gane's Chem Works
*R S A Corp
Robeco Chem
*Polychemical Labs

ACID, DEHYDROCHOLIC
Conray Products Co
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R W Greeff & Co
Henley & Co
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*Ben Venue Labs
*Biorganic Labs
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*Sandoz Pharmaceutical Div
*Wilson Labs

ACID, DESOXYCHOLIC
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*Fallek Products Co
R W Greeff & Co
Henley & Co
Vitamins, Inc
*Winthrop Labs
*Biorganic Labs
Drug Processors
*Sandoz Pharmaceutical Div
*Wilson Labs

ACID DEXTRONIC see Acid, Gluconic

ACID, DIALLYLBARBITURIC (Dial)
*Fallek Products Co
Gane & Ingram
*Gane's Chem Works
R W Greeff & Co
George Uhe Co
*Polychemical Labs

ACID, 4,4'-DIAMINOSTILBENE-2,2'-DISULFONIC
►Aceto Chem Co
►*Allied Chem Corp, National Aniline Div
*Ciba Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fiber Chem Corp
*Sandoz, Inc

ACID, 1-DIAZO-2-NAPHTHOL-4-SULFONIC
*Antara Chem Div
*Fairmount Chem Co
*Peerless Color Co
*Sandoz, Inc

ACID, DICHLOROACETIC (Bichloroacetic Acid, Carboxymethyl Chloride)
►*Kay-Fries Chems

ACID, 3,4-DICHLOROBENZENE SULFONIC
*Winthrop Labs

ACID, 3,4-DICHLOROBENZOIC
*Heyden Newport Chem Corp

ACID, 2,4-DICHLOROPHENOXYACETIC
*Diamond Alkali Co
*Dow Chem Co
Faesy & Besthoff
►*Monsanto Chem Co
*Thompson-Hayward Chem Co
*Amchem Products
*Chipman Chem Co
*Thompson Chems Corp
*Tracerlab Inc

ACID, DIETHYLACETIC see Acid, 2-Ethyl Butyric

ACID, DIGALLIC see Acid, Tannic

ACID, DIGLYCOLIC
*E I du Pont de Nemours & Co, Polychem Dept

ACID, 2,4-DIHYDROXYBENZOIC see Acid, β-Resorcylic

ACID, 2,6-DIHYDROXYBENZOIC see Acid, γ-Resorcylic

ACID, 3,5-DIHYDROXYBENZOIC see Acid, α-Resorcylic

ACID, DIHYDOXYBUTANEDIOIC see Acid, Tartaric

ACID, 1,8-DIHYDROXYNAPHTHALENE-3,6-DISULFONIC (Chromotropic Acid)
►*Allied Chem Corp, National Aniline Div
*Eastman Organic Chems
Verona-Pharma Chem Corp

ACID, α,β-DIHYDROXYSUCCINIC see Acid, Tartaric

ACID, 3,5-DIIODOSALICYLIC
*R S A Corp
*Andor Labs
*Chemo Puro Mfg Corp

ACID, m-DIMETHYLAMINOBENZOIC (3-Dimethylaminobenzoic Acid)
*Hilton-Davis Chem Co Div

ACID, DIMETHYLARSENIC see Acid, Cacodylic

ACID, β,β-DIMETHYLGLUTARIC
*Aldrich Chem Co
*K & K Labs
*Kaplop Labs

ACID, 3,5-DINITROBENZOIC
*Eastern Chem Corp
Fisher Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*Winthrop Labs
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*E I du Pont de Nemours & Co, Dyes & Chem Div
*Gamma Chem Corp
*Polychemical Labs

ACID, 4,4'-DINITROSTILBENE-2,2'-DISULFONIC
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*Ciba Co
*Hilton-Davis Chem Co Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

ACID, DIPHENYLACETIC
►*Benzol Products Co
►*Kay-Fries Chems
McKesson & Robbins, Inc, Chem Dept

ACID, DIPHENYLAMINE SULFONIC
*Eastern Chem Corp
*Andor Labs
*Nyanza Color & Chem Co

ACID, DIPHENYLGLYCOLIC see Acid, Benzilic

ACID, DIPICOLINIC
*Aldrich Chem Co
*Eastern Chem Corp
Midland Tar Distillers
*Electro Organic Corp
*Nepera Chem Co

ACID, DIPPING see Acid, Sulfuric

ACID, 2,2'-DITHIODIBENZOIC
*Aldrich Chem Co
►*Maumee Chem Co
Riches-Nelson, Inc

ACID, DITHIOSALICYLIC
*Aldrich Chem Co
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*Finetex Inc
►*Monsanto Chem Co
►*Tennessee Corp
*Ultra Chem Works
►*Witco Chem Co
*Ardmore Chem Co
*Emkay Chem Co
*Pilot California Co
*Surfact Co, Inc
*Tanatex Chem Corp
*Warner Chem Co Div
*Wica Chem

ACID, DRAGONIC see Acid, Anisic

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*Eastern Chem Corp

ACID, ELECTROLYTE
►*Allied Chem Corp, General Chem Div
*Blockson Chem Co
*Dixon Chem & Research
*Dixon Chem Industries
Globe Chem Co
*Harchem Div, Wallace & Tiernan Inc
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*Octagon Process, Inc
*Southwestern Agrochem Corp

ACID ESTERS, FATTY see Fatty Esters

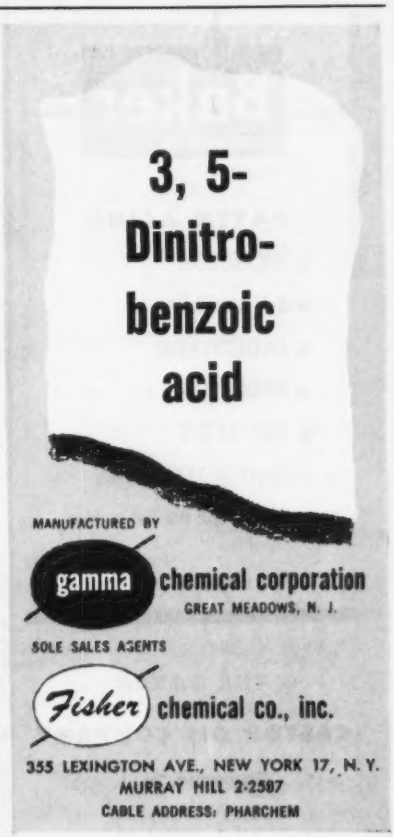
ACID, ETHANEDIOIC see Acid, Oxalic

ACID, ETHANOIC see Acid, Acetic

ACID, ETHYLACETIC see Acid, Butyric

ACID, 2-ETHYLBUTYRIC (Diethylacetic Acid)
*Union Carbide Chems Co

ACID, ETHYLENE DIAMINE TETRAACETIC
*Antara Chem Div
►*J T Baker Chem Co
*Dow Chem Co
*Fallek Products Co
Fisher Scientific Co
*Glyco Chems
Merchants Chem Co
*Refined Products Corp
*Geigy Industrial Chems Div
*A R Maas Chem Co Div
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ACID, ETHYLENESUCCINIC see Acid, 1,2-Cyclobutane Dicarboxylic

ACID, 2-ETHYLHEXOIC
►*Eastman Chem Products
*Union Carbide Chems Co

ACID, 2-ETHYLHEXYL PHOSPHORIC
*Kolker Chem Corp
*Victor Chem Works
►*Virginia-Carolina Chem Corp

ACID, 5-ETHYL-5-PHENYL3ARBITURIC see Phenobarbital

ACID, 2-ETHYL-3-PROPYL ACRYLIC

ACID, F see Acid, 2-Naphthol-7-Sulfonic

ACIDS, FATTY, CASTOR OIL
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►*HumKo-Div
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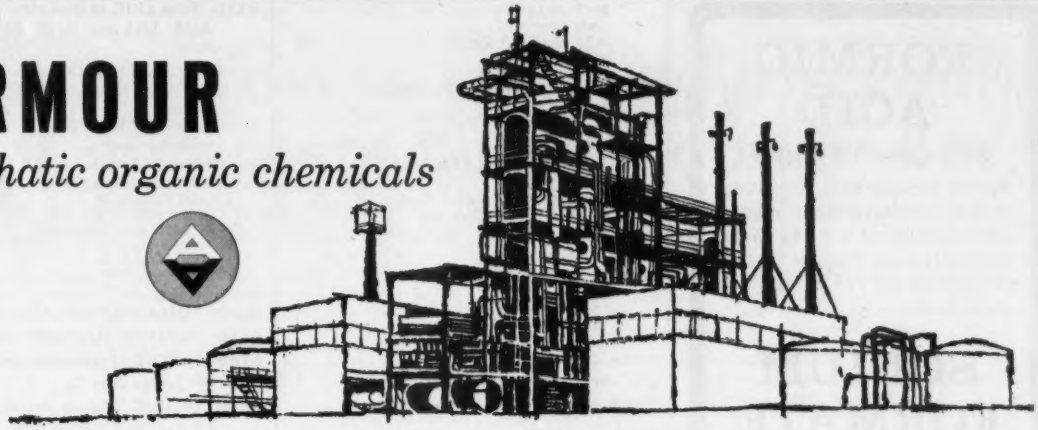
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*Swift & Co
*Foremost Food & Chem
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Columbian Carbon Co
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*Hummel Chem Corp
RITA Chem Corp
*Lanaetex Products
*Robinson Wagner Inc

ACID, FLUOBORIC

►*Allied Chem Corp, General Chem Div
*Aluminum Co of America
►*J T Baker Chem Co
*Harshaw Chem Co
Inland Chem Corp
*Octagon Process, Inc
*Pilot Engrg Co

ACID, FLUOROPHOSPHORIC

*Ozark-Mahoning Co

ACID, FLUOSILICIC

*Blockson Chem Co
►*Davison Chem Co Div
*Harshaw Chem Co
►Jones Chems, Inc
Opalco Lab
Henry Sundheimer
*Alexander Chem Corp
*Foremost Food & Chem Co
*General Mills, Inc

ACID, FLUOSULFONIC

►*Allied Chem Corp, General Chem Div
*International Minerals & Chem Corp, Potash Div

ACID, FOLIC

►*American Cyanamid Co, Fine Chems Dept
Conray Products Co
*Fallek Products Co
Industrial Chem & Dye Co
*NYQ Chem Div, S B Penick & Co
George Uhe Co
Vitamins, Inc
*Roselle Labs

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►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
Browning Chem Corp
*Fisher Scientific Co
Globe Chem Co
Henley & Co
J F Henry Chem Co
*Heyden Newport Chem Corp
Independent Chem Corp
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►Western Pennsylvania Chem Co
Wollen Chem & Supply Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Octagon Process, Inc

ACID, FUMARIC (Allomaleic Acid, Boletic Acid, Lichenic Acid, Butenedioic Acid)

►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, National Aniline Div
►Allied Chem Corp, Plastics & Coal Chems Div
►Baird Chem Industries, Inc
►Barclay Chem Co
Fallek Products Co
International Selling Corp
►*Monsanto Chem Co
*Oronite Chem Co
*Chas Pfizer & Co
Prior Chem Corp
*Octagon Process, Inc

ACID, FUMAROLE see Acid, Boric

ACID, FUMING SULFURIC see Oleum

ACID, FUROIC (Pyromucic Acid)

►*Quaker Oats Co

ACID, GALLIC (Trioxybenzoic Acid, 3,4,5-Trihydroxybenzoic Acid)

►Aceto Chem Co
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►*General Chem Div
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*New York Color & Chem Co

ACID, GALLOTANNIC see Acid, Tannic

ACID, GAMMA see Acid, 7-Amino-1-Naphthol-3-Sulfonic

ACID, GENTISIC (2,4-Dihydroxybenzoic Acid)

*Fallek Products Co
R W Greeff & Co
*K & K Labs
►*Merck Chem Div
Roussel Corp

ACID, GIBBERELLIC

*Chas Pfizer & Co
*S B Penick & Co

ACID, GLUCOHEPTONIC

*Pfanstiehl Labs
*Pfister Chem Works

ACID, GLUCONIC (Dextronic Acid)

*Dawes Labs
Globe Chem Co
Inland Chem Corp
►Peerless Oil & Chem Corp
*Chas Pfizer & Co
*Fermco Labs

ACID, GLUTAMIC (α-Aminoglutaric Acid)

Fallek Products Co
Gane & Ingram
R W Greeff & Co
*Hercules Powder Co
*International Minerals & Chem Corp, Amino Products Div
Pfanstiehl Labs
George Uhe Co
*Winthrop Labs
*General Mills, Special Commodities Div
*B L Lemke & Co
*Roselle Labs
*Tracerlab Inc

ACID, GLUTAMIC, HYDROCHLORIDE (Acidulin)

Fallek Products Co
Gane & Ingram
R W Greeff & Co
*Hercules Powder Co
*International Minerals & Chem Corp, Amino Products Div
George Uhe Co
*General Mills, Special Commodities Div
*B L Lemke & Co
*Roselle Labs

ACID, GLUTARIC (n-Pyrotartaric Acid)

*Aldrich Chem Co
*Eastern Chem Corp
*R S A Corp
*Kaplop Labs

ACID, GLYCERIC

*K & K Labs

ACID, GLYCEROPHOSPHORIC

Gallard-Schlesinger Chem Mfg Corp

ACID, GLYCOLIC (Hydroxyacetic Acid)

*E I du Pont de Nemours & Co, Polychem Dept
*Matheson Coleman & Bell

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See Company directory for addresses

CHEMICAL DEPARTMENT HUMKO

6 reasons why HUMKO is your complete fatty acid supplier

...with the most modern facilities for the finest products and service

1 A background of extensive experience
Behind HumKo's Chemical Department stands a vast reservoir of experience in hydrogenation and refining of glycerides. Since 1930, HumKo has built a national reputation for excellence in processing fats and oils. This background of specialized experience assures a high standard of quality for HumKo's chemicals derived from fats.

2 Basic Position
A steady supply of by-product fats from two modern oil refining plants assures close-at-hand and select raw materials.

3 Modern and complete processing equipment
Total Facilities! That best describes the complete and up-to-the-minute equipment used. We have the most modern and efficient fatty acid and glyceride processing and packaging equipment, including pressure splitting, hydrogenation, distillation, fractionation, solvent purification, and unitized packaging.

4 The recognized quality of our Hystrene products
HYSTRENE fatty acids manufactured by our patented solvent refining process represent the latest word in color stability. Low iodine value and unsaponifiables minimize unwanted reactions.

5 Most modern production control methods
Modern analytical methods and production controls maintain constant assurance of uniform high quality. Gas chromatographic, infrared, and ultraviolet equipment among other test facilities give quick and accurate analyses of production runs, serving to guarantee product excellence and uniformity.

6 Custom-patterned customer service
Technically trained HumKo Chemical Department representatives are available at a moment's notice to discuss your problem and its possible solution.

Let us prove to you that HumKo stands for the finest in product and service. Whatever your fatty acid and glyceride needs, we will be pleased to serve you.

HUMKO CHEMICAL DEPARTMENT
MEMPHIS, TENNESSEE

DISTRICT OFFICES

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60 East 42nd Street
New York, New York
Phone OXford 7-2372

PHILADELPHIA
1315 Walnut Street
Philadelphia, Pennsylvania
Phone KIngsley 5-2802

CHICAGO
520 N. Michigan Avenue
Chicago, Illinois
Phone SUperior 7-3270

	Product	Description	Titre (°C.)		I.V.		Acid No.		Sap. No.		% Unsaps.		Color	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Gardner Max.	Lovibond Max. 5¼" Cell
High purity saturated fatty acids	HYSTRENE 97	90% Stearic	65.5	66.5	0.2	0.8	196	201	197	202	0.10	0.25		3.OY-0.3R
	HYSTRENE 80	80% Stearic	62.0	65.0	0.1	0.5	199	204	200	205	0.05	0.15		2.OY-0.2R
	HYSTRENE 70	70% Stearic	61.0	62.5	0.1	0.5	200	205	201	206	0.05	0.15		3.OY-0.3R
	HYSTRENE 45	Triple Pressed Grade	55.0	56.0	0.1	0.5	207	211	208	212	0.05	0.15		3.OY-0.3R
	HYSTRENE 30	70% Palmitic	53.5	55.5	0.2	0.8	210	215	211	216	0.05	0.15		3.OY-0.3R
	HYSTRENE 24-45	Fish F.A. (70% C_{20}–C_{22})	64.5	66.0	0.2	0.8	170	180	171	181	0.10	0.50		3.OY-0.3R
Superior saturated fatty acids	INDUSTRENE 12-88	12-Hydroxy Stearic	70.0	74.0	0.0	6.0	172	182	180	190			9	
	INDUSTRENE 160	Hyd. Fish F.A. (70% C_{20}–C_{22})	64.0	65.5	3.0	8.0	170	180	171	181	0.5	2.0	7	
	INDUSTRENE 255	Hyd. Fish Oil F.A.	54.0	55.5	1.0	3.0	192	198	193	199	0.5	2.0		10.OY-1.OR
	INDUSTRENE 252	Hyd. Fish Oil F.A.	52.0	54.0	1.0	4.0	195	200	196	201	0.3	1.0		10.OY-1.OR
	INDUSTRENE 264	90% Stearic	64.5	65.5	1.0	3.0	196	201	197	202	0.5	1.5		10.OY-1.OR
	INDUSTRENE 262	Hyd. F.A.	61.5	64.5	0.5	3.0	197	204	198	205	0.5	1.5		10.OY-1.OR
	INDUSTRENE 254	Double Pressed Grade	53.5	55.5	1.0	5.0	207	211	208	212	0.5	1.0		5.OY-0.5R
	INDUSTRENE 158	Hyd. Tallow F.A.	58.0	60.0	0.5	1.5	202	207	203	208	0.5	1.0		10.OY-1.OR
	INDUSTRENE B	Hyd. Mixed F.A.	56.0	62.0	2.0	5.0	199	205	200	206	0.5	2.0		30.OY-3.OR
	INDUSTRENE R	Hyd. Rubber Grade	52.0	60.0	7.0	12.0	193	205	194	206	1.0	3.0	10	
Oleic Acids	INDUSTRENE 105	Oleic Acid (Red Oil)	3.0	5.0		96.0	195	203	197	205	0.5	2.0	6	
	INDUSTRENE 205	White Oleic	3.0	5.0		95.0	195	203	197	205	0.5	1.0		15.OY-1.5R
Superior unsaturated fatty acids	INDUSTRENE 225	Distilled Soya F.A.	23.0	26.0	135	145	195	201	197	203	0.5	2.0	3	
	INDUSTRENE 226	Distilled Soya F.A.	26.0	29.0	125	133	198	203	199	204	0.5	2.0	4	
	INDUSTRENE 232	Distilled Corn Type	28.0	32.0	105	125	196	204	197	205	0.5	2.0	6	
	INDUSTRENE 138	Distilled Cotton F.A.	32.0	38.0	90	110	196	204	197	205	0.5	2.0	7	
	INDUSTRENE 239	Distilled Cotton F.A.	35.0	40.0	90	110	199	205	200	206	0.5	2.0	5	
	INDUSTRENE 143	Distilled Animal F.A.	39.0	43.0	50	65	202	206	203	207	0.5	1.5	5	
Coconut fatty acids	INDUSTRENE 325	Distilled Coconut F.A.	22.0	26.0	8.0	15.0	258	270	260	272		0.5		20.OY-2.OR
	INDUSTRENE 328	Stripped Coconut F.A.	26.0	29.0	8.0	14.0	253	260	254	261		0.5		20.OY-2.OR
Refined Glycerides	NEUSTRENE 045	Hyd. Fish Glycerides	45.0	48.0	18.0	30.0		6.0	188	195				30.OY-3.OR
	NEUSTRENE 053	Hyd. Fish Glycerides	51.0	54.0	2.0	5.0		5.0	186	195				30.OY-3.OR
	NEUSTRENE 060	Hyd. Tallow Glycerides	58.0	61.0	0.5	2.0		2.0	193	197	0.5	1.5		10.OY-1.OR
	NEUSTRENE 064	Hyd. Soya Glycerides	63.0	66.0	1.0	3.0		4.0	188	193				25.OY-2.5R
	NEUSTRENE 072	Hyd. Castor Glycerides	70.0	75.0	2.0	4.0		4.0	176	185				50.OY-5.OR

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CINCINNATI — NEW YORK
DETROIT — PHILADELPHIA
HOUSTON — PITTSBURGH

ACID, GLYCOLIC PHENYL ETHER see Acid, Phenoxyacetic

ACID, H see Acid, 8-Amino-1-Naphthol-3,6-Disulfonic

ACID, HEPTAFLUOROBUTYRIC see Acid, Perfluorobutyric

ACID, n-HEXADECYLIC see Acid, Palmitic

ACID, 2,4-HEXADIENOIC see Acid, Sorbic

ACID, HEXAHYDROBENZOIC see Acids, Naphthenic

ACID, HEXANEDIOIC see Acid, Adipic

ACID, HEXANOIC see Acid, n-Caproic

ACID, HEXYLACETIC see Acid, Caprylic

ACID, HIPPURIC
►*Aceto Chem Co
*Eastern Chem Corp
Pfanstiehl Labs
*Andor Labs

ACID, HYDRIODIC (Hydrogen Iodide)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
Clearbrook Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*R S A Corp
*Andor Labs — *Hukill Chem Corp

ACID, HYDROBROMIC (Hydrogen Bromide)
►*Allied Chem Corp, General Chem Div
►*American Cyanamid Co, Industrial Chem Div
►*J T Baker Chem Co
*Dow Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Michigan Chem Corp
►*Westvaco Chlor-Alkali Div
*Great Lakes Chem Corp

ACID, HYDROCHLORIC see Acid, Muriatic

ACID, HYDROCYANIC (Prussic Acid, Cyanhydric Acid, Hydrogen Cyanide, Formonitrile)
►*American Cyanamid Co, Industrial Chem Div
*Mallinckrodt Chem Works
*E I du Pont de Nemours & Co, Electrochem Dept

ACID, HYDROFLUORIC (Fluorhydric Acid, Hydrogen Fluoride)
►Aceto Chem Co
►*Allied Chem Corp, General Chem Div
American Oil & Supply Co
►J T Baker Chem Co
►*Berkshire Chems Inc
*Blockson Chem Co
*Corco Chem Corp
►*Davison Chem Co Div
Fisher Scientific Co
Globe Chem Co
*Harshaw Chem Co
J F Henry Chem Co
Inland Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
►*Stauffer Chem Co
Thompson-Hayward Chem Co
►Western Pennsylvania Chem Co
Wollen Chem & Supply Co
*E I du Pont de Nemours & Co, Grasselli Chem — *Nyotex Chems Div — *Pilot Engrg Co
*Mobil Oil Co

ACID, HYDROFLUOSILICIC see Acid, Fluosilicic

ACID, HYDROGEN CARBOXYLIC see Acid, Formic

ACID, HYDROSILICOFLUORIC see Acid, Fluosilicic

ACID, HYDROXYACETIC see Acid, Glycolic

ACID, o-HYDROXYBENZOIC see Acid, Salicylic

ACID, p-HYDROXYBENZOIC
*Fallek Products Co
R W Greeff & Co
*Heyden Newport Chem Corp
*Chemo Puro Mfg Corp

ACID, β-HYDROXYBUTYRIC
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs

ACID, N-HYDROXYETHYL-ETHYLENE DIAMINE TRIACETIC
*Geigy Industrial Chems Div — *Tanatex Chem Corp

ACID, α-HYDROXYISOBUTYRIC
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs

ACID, 1-HYDROXY-2-NAPHTHOIC
►*Allied Chem Corp, National Aniline Div
*K & K Labs

ACID, 3-HYDROXY-2-NAPHTHOIC (β-Hydroxynaphthoic Acid, β-Oxynaphthoic Acid)
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
►*Eastman Chem Products
*Heyden Newport Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
Pfister Chem Works
H P Rossiger & Co
*Sherwin-Williams Co
*E I du Pont de Nemours & Co, Dyes & Chem Div — *Francolor, Inc

ACID, 2-HYDROXY-1,2,3-PROPANE TRICARBOXYLIC see Acid, Citric

ACID, α-HYDROXYPROPIONIC see Acid, Lactic

ACID, 8-HYDROXYQUINOLINE-5-SULFONIC
Fisher Chem Co
*Metalsalts Corp
*Gamma Chem Corp — *Polychemical Labs

ACID, 12-HYDROXYSTEARIC
*Acme-Hardesty Co
*Baker Castor Oil Co
*Emery Industries
William E Phillips
*Archer-Daniels-Midland — *US Oils & Chems
*Werner G Smith, Inc — *Woburn Chem Corp

ACID, HYDROXYSUCCINIC see Acid, Malic

ACID, β-HYDROXYTRICARBALLYLIC see Acid, Citric

ACID, HYPOPHOSPHOROUS
►*J T Baker Chem Co
►*Hooker Chem Corp
*Fisher Scientific Co
*Mallinckrodt Chem Works

ACID, IMINODIACETIC
*Aldrich Chem Co
*Geigy Industrial Chems Div

ACID, 3-INDOLEACETIC
*Eastern Chem Corp
*Eastman Organic Chems
*Winthrop Labs
*Andor Labs — *Tracerlab Inc
*Thompson Chems Corp

ACID, 3-INDOLEBUTYRIC
*Arapahoe Chem
*Eastern Chem Corp
*Eastman Organic Chems
Millmaster Chem Corp
*Andor Labs — *Thompson Chems Corp

*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
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ACID, INHIBITED

Globe Chem Co
J F Henry Chem Co
*E & F King & Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Pennsalt Chem Corp
*Rumford Chem Works
►*Stauffer Chem Co
►Western Pennsylvania Chem Co

*Aetna Color & Chem Co
*Arol Chem Products Co
*Amchem Products
*E I du Pont de Nemours & Co, Grasselli Chem
*Ideal Chem & Supply Co
*Magnuson Products Corp
*Oakite Products
*Octagon Process, Inc

ACID, IODIC

►*J T Baker Chem Co
Clearbrook Chem Co
*Mallinckrodt Chem Works
*R S A Corp
*G Frederick Smith Chem Co

*Andor Labs
*Fairmount Chem Co
*Polychemical Labs

ACID, IODOACETIC (Iodoethanoic Acid)

►*Borden Chem Co
*Eastern Chem Corp
*R S A Corp

*Andor Labs
*Edcan Labs
*Kaplop Labs

ACID, ISOASCORBIC

►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
►*Sumner Chem Co Div

*Takamine Lab
*Wallerstein Co

ACID, ISOBUTYLFORMIC see Acid, Isovaleric

ACID, ISOBUTYRIC

►*Eastman Chem Products

ACID, ISONICOTINIC

*Fallek Products Co
Henley & Co
Intra Continental Export Co
*Chas Pfizer & Co
*Reilly Tar & Chem Corp

*Nepera Chem Co
*Roselle Labs

ACID, ISOPHTHALIC

►*Allied Chem Corp, Plastics & Coal Div
*Amoco Chems Corp
*Oronite Chem Co

ACID, ISOSEBACIC

*Fallek Products Co

ACID, ISOVALERIC (Isobutylformic Acid)

Florasynth Labs
R W Greeff & Co
►*Trubek Labs

*Fairmount Chem Co

ACID, ITACONIC

*Chas Pfizer & Co

ACID, J see Acid, 6-Amino-1-Naphthol-3-Sulfonic

ACID, β-KETOGLUTARIC (Acetonedicarboxylic Acid)

*Eastern Chem Corp
K & K Labs
*Chemical Intermediates & Research Labs

ACID, KOCH see Acid, 1-Naphthylamine-3,6,8-Trisulfonic

ACID, KOJIC

*Aldrich Chem Co
*Chas Pfizer & Co

ACID, LACTIC (α-Hydroxypropionic Acid, Ethylidenelactic Acid, Milk Acid)

►American-British Chem Supplies
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
*Fallek Products Co
Globe Chem Co
R W Greeff & Co
Henley & Co
Independent Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Prior Chem Corp
►Western Pennsylvania Chem Co

*American Maize Products Co
*Clinton Corn Processing Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Roselle Labs

ACID, LACTOBIONIC

►*Borden Chem Co

ACID, LAURENT'S see Acid, 1-Naphthylamine-5-Sulfonic

ACID, LAURIC (Dodecanoic Acid)

►Aceto Chem Co
►*Armour Industrial Chem Co
►Baird Chem Industries, Inc
►Barclay Chem Co
*Emery Industries
*Fallek Products Co
Harwick Standard Chem Co
International Selling Corp
►M Michel & Co
Welch, Holme & Clark Co

*Foremost Food & Chem Co
*Werner G Smith, Inc
*Tracerlab Inc
*Woburn Chem Corp

ACID, LAURIC, SULFONATED

*Arthur C Trask Co

ACID, LEVULINIC (β-Acetopropionic Acid, Oxopentanoic Acid)

*Aldrich Chem Co
*Eastern Chem Corp
►*Quaker Oats Co

*Fairmount Chem Co

ACID, LINOLEIC (Linolic Acid, Octadecadienoic Acid)

*Baker Castor Oil Co
*Emery Industries

*Archer-Daniels-Midland Co
*Woburn Chem Corp

ACID, MALEIC (Maleinic Acid, Butenedioic Acid, Ethylene Dicarboxylic Acid)

►*Allied Chem Corp, National Aniline Div
International Selling Corp
*Pfanstiehl Labs

*Fairmount Chem Co

ACID, MALIC (l-Hydroxysuccinic Acid, Apple Acid, Oxyethylenesuccinic Acid)

►*Allied Chem Corp, National Aniline Div
International Selling Corp
*Pfanstiehl Labs

ACID, MALONIC (Methanedicarboxylic Acid)

*Eastern Chem Corp
R W Greeff & Co
►*Kay-Fries Chems
*Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Tracerlab Inc

ACID, MANDELIC

Henley & Co
*Mallinckrodt Chem Works

*Nepera Chem Co

ACID, MERCAPTOACETIC see Acid, Thioglycolic

ACID, METANILIC

►*Allied Chem Corp, National Aniline Corp
*Antara Chem Div

*Francolor, Inc
*Sandoz, Inc

ACID, METHACRYLIC

►*Rohm & Haas Co

ACID, METHANESULFONIC

►*Allied Chem Corp, General Chem Div
*Eastman Organic Chems
*R S A Corp

ACID, p-METHOXY BENZOIC see Acid, Anisic

ACID, m-METHOXY PHENYLACETIC

*Aldrich Chem Co
*K & K Labs

ACID, p-METHOXY PHENYLACETIC

*Aldrich Chem Co
*Givaudan
►*Kay-Fries Chems
►*Trubek Labs
*Winthrop Labs

ACID, 2-METHYL-4-CHLOROPHENOXY-ACETIC

►*Aceto Chem Co
International Selling Corp

*Chipman Chem Co

ACID, METHYLENE DISALICYLIC

*Heyden Newport Chem Corp

ACID, MILK see Acid, Lactic

ACID, MIXED (Nitrating Acid)

►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
*Dixon Chem & Research
*Dixon Chem Industries
*E I du Pont de Nemours & Co, Explosives Dept
*Hercules Powder Co
►*Monsanto Chem Co

*Central Chem Div

ACID, MOLYBDIC see Ammonium Molybdate and Molydenum Trioxide

ACID, MONOCHLOROACETIC see Acid, Chloroacetic

ACID, MONOSULFONIC F see Acid, 2-Naphthol-7-Sulfonic

ACID, MUCIC (Saccharolactic Acid, Tetrahydroxy-hexanedioic Acid)

►Baird Chem Industries, Inc
*Eastern Chem Corp
*Pfanstiehl Labs

*Fairmount Chem Co

ACID, MURIATIC (Hydrochloric Acid, Chlorohydric Acid)

►*American Cyanamid Co, Industrial Chem Div
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
Barada & Page
►*Benzol Products Co
►Celanese Corp of America, Chem Div
Chapman Chem Co
Chemsol, Inc
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Dixon Chem & Research
Dow Chem Co
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
*Hercules Powder Co
*Heyden Newport Chem Corp
►*Hooker Chem Corp
Howe & French Inc
Inland Chem Corp
►*Jones Chems, Inc
E & F King & Co
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
*Morton Chem Co
*Olin Mathieson Chem Corp, Industrial Chems

(Continued)

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sulfuric acid

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ACID, MURIATIC (continued)

►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
►*Reichhold Chems, Inc
Riches-Nelson, Inc
►*Rohm & Haas Co
Rumford Chem Works
►*Stauffer Chem Co
Thompson-Hayward Chem Co
Joseph Turner & Co
Washine Chem Corp
►Western Pennsylvania Chem Co
►*Wyandotte Chem Corp
*Arkansas Louisiana Chem Corp
*Arol Chem Products Co
*Central Chem Div
*Consolidated Chem Industries
*Dover Chem Co
*Frontier Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Octagon Process, Inc
*Tennessee Products & Chem Corp
*Universal Western Chem Corp

ACID, MYRISTIC

►*Aceto Chem Co
►*Armour Industrial Chem Co
*Emery Industries
*Fallek Products Co
International Selling Corp
►*Wilson-Martin (Div Wilson & Co)
*Foremost Food & Chem Co

ACID, α-NAPHTHALENE ACETIC (1-Naphthyl Acetic Acid)

►American-British Chem Supplies
Millmaster Chem Corp
*Amchem Products
*Thompsons Chem Corp
*Tracerlab Inc

ACID, β-NAPHTHALENE SULFONIC

*Antara Chem Div

ACID, 1,3,6-NAPHTHALENE TRISULFONIC

*Antara Chem Div
*Fairmount Chem Co
*Francolor, Inc

ACIDS, NAPHTHENIC (Hexahydrobenzoic Acid)

Advance Solvents & Chem Div
►Enjay Co
Fallek Products Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

J.T.Baker CHEMICAL

HYDROCHLORIC ACID REAGENT
NITRIC ACID REAGENT
SULFURIC ACID REAGENT
AMMONIUM HYDROXIDE REAGENT
ACETIC ACID REAGENT

See page 62 for our complete listing

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►*Sun Oil Co
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*The Texas Co

ACID, NAPHTHIONIC (1-Aminonaphthalene-4-Sulfonic Acid, 4-Amino-1-Naphthalene Sulfonic Acid)

*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, 1-NAPHTHOL-4-SULFONIC (Neville-Winther Acid)

►*Allied Chem Corp, National Aniline Div

*E I du Pont de Nemours Co, Dyes & Chem Div *Sandoz, Inc

ACID, 1-NAPHTHOL-5-SULFONIC

►*Allied Chem Corp, National Aniline Div

ACID, 2-NAPHTHOL-7-SULFONIC

*Sherwin-Williams Co

*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, β-NAPHTHOXYACETIC

*Millmaster Chem Corp

*Amchem Products

ACID, 1-NAPHTHYL ACETIC see Acid, Naphthaleneacetic

ACID, 1-NAPHTHYLAMINE-4,8-DISULFONIC

►*Allied Chem Corp, National Aniline Div

ACID, 2-NAPHTHYLAMINE-4,8-DISULFONIC (C Acid; Cassella Acid; 3-Amino-1,5-Naphthalenedisulfonic Acid)

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

ACID, 2-NAPHTHYLAMINE-5,7-DISULFONIC (Amino J Acid; 6-Amino-1,3-Naphthalenedisulfonic Acid)

*American Cyanamid Co, Organic Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, 1-NAPHTHYLAMINE-4-SULFONIC see Acid, Naphthionic

ACID, 1-NAPHTHYLAMINE-5-SULFONIC (Laurent's Acid; L Acid; 5-Amino-1-Naphthalenesulfonic Acid)

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div *Sandoz, Inc

ACID, 1-NAPHTHYLAMINE-6-SULFONIC

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div *Francolor, Inc *Sandoz, Inc

ACID-1-NAPHTHYLAMINE-7-SULFONIC

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div *Francolor, Inc *Sandoz, Inc

ACID, 1-NAPHTHYLAMINE-8-SULFONIC (Peri Acid)

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div *Nyanza Color & Chem Co *Sandoz, Inc
*Francolor, Inc

ACID, 2-NAPHTHYLAMINE-1-SULFONIC (Tobias Acid; 2-Amino-1-Naphthalenesulfonic Acid)

*American Cyanamid Co, Organic Chem Div
Browning Chem Corp
Filo Color & Chem Corp
*Sherwin-Williams Co

*Francolor, Inc *Sandoz, Inc

ACID, 2-NAPHTHYLAMINE-6-SULFONIC (Broenner's Acid; 6-Amino-2-Naphthalenesulfonic Acid)

►*Allied Chem Corp, National Aniline Div
*Sherwin-Williams Co

*Francolor, Inc *Sandoz, Inc

ACID, 1-NAPHTHYLAMINE-3,6,8-TRISULFONIC (Koch Acid)

►*Allied Chem Corp, National Aniline Div

*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, NEVILLE-WINTHER see Acid, 1-Naphthol-4-Sulfonic

ACID, NICOTINIC (3-Pyridinecarboxylic Acid)

►*Allied Chem Corp, Plastics & Coal Chems Div
►*American Cyanamid Co, Fine Chems Dept
Fallek Products Co
Gallard-Schlesinger Chem Mfg Corp
Gane's Chem Works
R W Greeff & Co
*Hoffman Labs
*Mallinckrodt Chem Works
(Continued)

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►See catalog advertisement (Advertisers Index)

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McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
*Chas Pfizer & Co
*Reilly Tar & Chem Corp
Thompson-Hayward Chem Co
George Uhe Co
►*U S Industrial Chem Co Div
Vitamins, Inc
*Beacon Chem Industries
*Koppers Co, Tar Products Div
*B L Lemke & Co
*Nepera Chem Co
*Polychemical Labs
*Roselle Labs
*Whitmoyer Labs

ACID, NICOTINIC DIETHYLAMIDE see Nikethamide

ACID, NITRATING see Acid, Mixed

ACID, NITRIC (Aqua Fortis)
►*Allied Chem Corp, General Chem Div
►*American Cyanamid Co, Industrial Chem Div
American Oil & Supply Co
►*J T Baker Chem Co
Barada & Page
*Corco Chem Corp
*Dixon Chem & Research
*E I du Pont de Nemours & Co, Explosives Dept
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
*Hercules Powder Co
Philip A Hunt Co
Inland Chem Corp
►*Jones Chems, Inc
E & F King & Co
Lotte Chem Corp
*Mallinckrodt Chem Works
George Mann & Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
New England Chem Supply Corp
*Olin Mathieson Chem Corp, Industrial Chems
*Pennsalt Chems Corp
Rumford Chem Works
►*Stauffer Chem Co
Thompson-Hayward Chem Co
Joseph Turner & Co
►*U S Industrial Chem Co Div
Washine Chem Corp
►Western Pennsylvania Chem Co
*Apache Powder Co
*Central Chem Div
*Collier Carbon & Chem
*E I du Pont de Nemours & Co, Grasselli Chem
*Escambia Chem Corp
*Ketona Chem Corp
*Nyotex Chems Div
*Octagon Process, Inc
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ACID, NITRILOTRIACETIC see Acid, Triglycollamic

ACID, m-NITROBENZOIC
*Hilton-Davis Chem Co
*Geigy Industrial Chem Div

ACID, o-NITROBENZOIC
*K & K Labs

ACID, p-NITROBENZOIC (Nitrodracylic Acid)
*Cowles Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Kaplop Labs

ACID, NITRODRACYLIC see Acid, p-Nitrobenzoic

ACID, 5-NITROSALICYLIC (m-Nitrosalicylic Acid)
►*Aceto Chem Co
*Andor Labs
*MacKenzie Chem Works

ACID, 2-NITROSO-1-NAPHTHOL-4-SULFONIC
*G Frederick Smith Chem Co

ACID, p-NITROTOLUENE-o-SULFONIC
►*Allied Chem Corp, National Aniline Div
*Hilton-Davis Chem Co Div
*E I du Pont de Nemours & Co., Dyes & Chem Div
*Sandoz, Inc

ACIDS, NUCLEIC
*Harchem Div, Wallace & Tiernan Inc
*Schwarz Labs
*Werner G Smith, Inc

ACID, 9,12-OCTADECADIENOIC see Acid, Linoleic

ACID, OCTADECANOIC see Acid, Stearic

ACID, cis-9-OCTADECENOIC see Acid, Oleic

ACID, trans-9-OCTADECENOIC see Acid, Elaidic

ACID, OCTANEDIOIC see Acid, Suberic

ACID, OCTANOIC see Acid, Caprylic

ACID, OLEIC (cis-9-Octanedecenoic Acid)
S L Abbot Co
*Acme-Hardesty Co
►*Armour Industrial Chem Co
►*J T Baker Chem Co
*Celina Stearic Acid Co
Columbian Carbon Co
*Darling & Co
*Emery Industries
*A Gross & Co
*Harchem Div, Wallace & Tiernan Inc
Harwick Standard Chem Co
Howe & French Inc
►*HumKo-Div
Lotte Chem Corp
*Mallinckrodt Chem Works
►M Michel & Co
►Peerless Oil & Chem Corp
*Will & Baumer Co
William E Phillips
J U Starkweather Co
Thompson-Hayward Chem Co
Joseph Turner & Co
Welch, Holme & Clark Co
►*Wilson-Martin (Div Wilson & Co)
Wollen Chem & Supply Co

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*Arnold, Hoffman & Co
*Foremost Food & Chem Co
*Werner G Smith, Inc
*Swift & Co
*Tracerlab Inc
*Wesson Oil & Snowdrift Co
*Woburn Chem Corp

ACID, OROTIC

*Aldrich Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
European Chem Co
*R S A Corp

*Chemo Puro Mfg Corp
*Engelhard Industries
*Tracerlab Inc

ACID, OSMIC see Osmium Tetroxide

ACID, OXALIC (Ethanedioic Acid)

►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
Browning Chem Corp
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
Henley & Co
J F Henry Chem Co
►*Hooker Chem Corp
Inland Chem Corp
International Selling Corp
►Jones Chems, Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Metalsalts Corp
►Peerless Oil & Chem Corp
Prior Chem Corp
E M Sergeant Pulp & Chem Co
Sessions-Gifford Co
J U Starkweather Co
Tar Residuals
Thompson-Hayward Chem Co
Trio Chem Works
*Victor Chem Works
Washine Chem Corp
►Western Pennsylvania Chem Co

*Octagon Process, Inc
*Polychemical Labs

ACID, 4-OXOPENTANOIC see Acid, Levulinic

ACID, β-OXYNAPHTHOIC see Acid, 3-Hydroxy-2-Naphthoic

ACID, OXYPHENIC see Pyrocatechol

ACID, OXYQUINOLINE SULFONIC see Acid, 8-Hydroxyquinoline-5-Sulfonic

ACID, PALMITIC (Palmitinic Acid, Hexadecylic Acid, Cetylic Acid, Ethalic Acid)

►*Armour Industrial Chem Co
*Eastern Chem Corp
*Emery Industries
*Fallek Products Co
Fisher Scientific Co
Harwick Standard Chem Co
►*HumKo-Div
International Selling Corp
►M Michel & Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)

*Archer-Daniels-Midland Co
*Foremost Food & Chem Co
*Werner G Smith, Inc
*Tracerlab Inc

ACID, PANTOTHENIC

*Dawes Labs
*Fallek Products Co
*K & K Labs

ACID, PARABANIC (Oxalylurea)

*Eastern Chem Corp
*R S A Corp

*Kaplop Labs
*Schuylkill Chem Co

ACID, PELARGONIC

*Emery Industries

ACID, PENTANOIC see Acid Valeric

ACID, PERACETIC

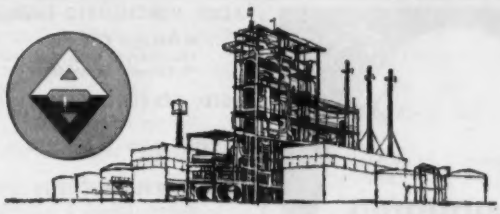
►*Becco Chem Div

ACID, PERCHLORIC (Fraude's Reagent)

►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►*General Chem Div

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►*Hooker Chem Corp
*Mallinckrodt Chem Works
*G Frederick Smith Chem Co

ACID, PERFLUOROBUTYRIC
Matheson Coleman & Bell
*Minnesota Mining & Mfg Co, Chem Div
*Kaplop Labs

ACID, PERFLUOROPROPIONIC
Matheson Coleman & Bell
*Minnesota Mining & Mfg Co, Chem Div
*Kaplop Labs

ACID, PERI see Acid, 1-Naphthylamine-8-Sulfonic

ACID, PERIODIC
Chemical Commerce
Clearbrook Chem Co
*G Frederick Smith Chem Co
*Andor Labs

ACID, o-PHENOLSULFONIC (Sozolic Acid)
►Baird Chem Industries, Inc
►*Monsanto Chem Co

ACID, p-PHENOLSULFONIC (Sulfocarbolic Acid, Sulfophenolic Acid)
►Baird Chem Industries, Inc
*Dow Chem Co
►*Monsanto Chem Co
*United States Pipe & Foundry Co

ACID, PHENOXYACETIC
*Diamond Alkali Co
*Dow Chem Co
*Chemo Puro Mfg Corp

ACID, PHENYLACETIC (α-Toluic Acid)
►American-British Chem Supplies
►*Benzol Products Co
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►*Trubek Labs
*Kaplop Labs *Tracerlab Inc

ACID, PHENYLACETYLENE CARBOXYLIC see Acid, Phenylpropriolic

ACID, α-PHENYLBUTYRIC
►American-British Chem Supplies
►*Benzol Products Co
*Gane's Chem Works

ACID, PHENYLCINCHONINIC see Cinchophen

ACID, PHENYLFORMIC see Acid, Benzoic

ACID, PHENYL GAMMA see Acid, 7-Anilino-1-Naphthol-3-Sulfonic

ACID, PHENYLIC see Phenol

ACID, PHENYLMERCAPTOACETIC
►*Evans Chemetics

ACID, PHENYL-1-NAPHTHYLAMINE-8-SULFONIC (Phenyl Peri Acid)
*Antara Chem Div
*Francolor, Inc *Nyanza Color & Chem

ACID, PHENYLPROPIOLIC (Phenylacetylene Carboxylic Acid)
*Aldrich Chem Co
*K & K Labs

ACID, 2-PHENYLQUINOLINE-4-CARBUXYLIC see Cincophen

ACID, PHENYLSTEARIC
*R S A Corp
*Edcan Labs *Freeman Industries

ACID PHOSPHATE see Superphosphate

ACIDS, PHOSPHINIC
►*Hooker Chem Corp

ACID, PHOSPHOMOLYBDIC
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Mallinckrodt Chem Works
Millmaster Chem Corp
*Climax Molybdenum Co *North Metal & Chem Co

ACID, PHOSPHORIC (o-Phosphoric Acid)
►*Allied Chem Corp, General Chem Div
►*American Agricultural Chem Co
►Baird Chem Industries, Inc
H J Baker & Bro
►*J T Baker Chem Co
Barada & Page
►Barclay Chem Co
Browning Chem Corp
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►*Hooker Chem Corp
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*International Minerals & Chem Corp, Phosphate Div
►Jones Chems, Inc
E & F King & Co
*Mallinckrodt Chem Works
Merchants Chem Co
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Millmaster Chem Corp
►*Monsanto Chem Co
►Peerless Oil & Chem Corp
Prior Chem Corp
Riches-Nelson, Inc
Rumford Chem Works
*Smith-Douglass Co
Thompson-Hayward Chem Co
Joseph Turner & Co
►*U S Industrial Chem Co Div
*Victor Chem Works
►*Virginia-Carolina Chem Corp
Washine Chem Corp
►*Westvaco Mineral Products Div
Wollen Chem & Supply Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Octagon Process, Inc
*Ozark-Mahoning Co
*A R Maas Chem Co Div

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ACID, PHOSPHORIC, ANHYDROUS see Phosphorus Pentoxide

ACID, m-PHOSPHORIC
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Riches-Nelson, Inc
Trio Chem Works
*Victor Chem Works
►*Virginia-Carolina Chem Corp
*Olin Mathieson Chem Corp, Plant Food
*Octagon Process, Inc

ACID, o-PHOSPHORIC see Acid, Phosphoric

ACID, PHOSPHOROUS
►*J T Baker Chem Co
*Fisher Scientific Co
►*Hooker Chem Corp

ACID, PHOSPHOTUNGSTIC
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
Fisher Scientific Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co
*Andor Labs
*Sylvania Electric Products
*North Metal & Chem Co

ACID, PHTHALALDEHYDIC
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div

ACID, PHTHALIC (o-Phthalic Acid, o-Benzenedicarboxylic Acid)
*Amoco Chems Corp
*Fallek Products Co
►*Kay-Fries Chems
►*Maumee Chem Co
Riches-Nelson, Inc
►*Witco Chem Co

ACID, PHYTIC
*Corn Products Co
R W Greeff & Co

ACID, PICRIC (Trinitrophenol, Picronitric Acid, Carbazotic Acid, Phenoltrinitrate)
►*J T Baker Chem Co
Hummel Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Southern Dyestuff Corp

ACID, PICOLINIC
*Aldrich Chem Co
*Eastern Chem Corp
Midland Tar Distillers
*Electro Organic Corp
*Nepera Chem Co

ACID, PIMELIC (Heptanedioic Acid)
*Aldrich Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
K & K Labs
*Edcan Labs
*Kaplop Labs

ACID, PLUMBIC, ANHYDROUS see Lead Dioxide

ACID, POLYMETHACRYLIC
►*Borden Chem Co
City Chem Corp

ACID, POLYPHOSPHORIC
*Victor Chem Works
►*Virginia-Carolina Chem Corp

ACID, PROPIOLIC (Acetylene Monocarboxylic Acid)
*Aldrich Chem Co
*Farchan Research Labs
*K & K Labs
*Kaplop Labs

ACID, PROPIONIC
►*Celanese Corp of America, Chem Div
►*Commercial Solvents Corp
*E I du Pont de Nemours & Co, Polychem Dept
►*Eastman Chem Products
Matheson Coleman & Bell
*Union Carbide Chems Co

ACID, PRUSSIC see Acid, Hydrocyanic

ACID, 2-PYRIDINECARBOXYLIC see Acid, Picolinic

ACID, 3-PYRIDINECARBOXYLIC see Acid, Nicotinic

ACID, 4-PYRIDINECARBOXYLIC see Acid, Isonicotinic

ACID, 3-PYRIDINESULFONIC
*Aldrich Chem Co
Midland Tar Distillers
*R S A Corp
*Nepera Chem Co

ACID, PYROCATECHINIC
See Pyrocatechol

ACID, PYROGALLIC (Pyrogallol; 1,2,3-Trihydroxybenzene)
►Aceto Chem Co
►*J T Baker Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*New York Color & Chem Co

ACID, PYROMUCIC see Acid, Furoic

ACID, PYROLIGNEOUS (Wood Vinegar, Pyroligneous Vinegar, Acetic Crude)
*Tennessee Products & Chem Corp

ACID, PYROPHOSPHORIC, ANHYDROUS
*City Chem Corp
Riches-Nelson, Inc

ACID, n-PYROTARTARIC see Acid, Glutaric

ACID, PYRUVIC (Pyroracemic Acid, Ketoacetic Acid, Acetylformic Acid)
*Aldrich Chem Co
►*Borden Chem Co
*Eastern Chem Corp
*Brothers Chem Co
*Electro Organic Corp

ACID, RESORCINOL DIACETIC
►*Koppers Co, Chems & Dyestuffs Div

ACID, α-RESORCYLIC (3,5-Dihydroxybenzoic Acid)
*Aldrich Chem Co
*K & K Labs

ACID, β-RESORCYLIC (2,4-Dihydroxybenzoic Acid)
*Aldrich Chem Co
►*Koppers Co, Chems & Dyestuffs Div
►Maumee Chem Co
Riches-Nelson, Inc

ACID, γ-RESORCYLIC (2,6-Dihydroxybenzoic Acid)
*Aldrich Chem Co
*K & K Labs

ACID, RHODIZONIC
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs

ACID, RHODULINE (6,6'-Iminobis-1-Naphthol-3-Sulfonic Acid)
*E I du Pont de Nemours & Co, Dyes & Chem Div

ACID, RICINOLEIC (Ricinic Acid)
*Baker Castor Oil Co
*Archer-Daniels-Midland Co
*Woburn Chem Corp
*Swift & Co

ACID, RUBEANIC see Dithiooxamide

ACID, S see Acid, 8-Amino-1-Naphthol-5-Sulfonic

ACID, SS see Acid, 8-Amino-1-Naphthol-5,7-Disulfonic

ACID, SACCHARIC
Pfanstiehl Labs

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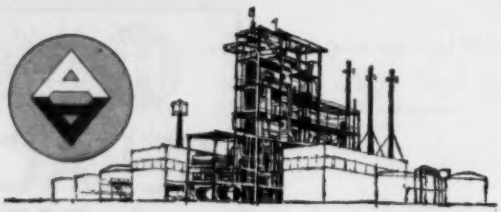
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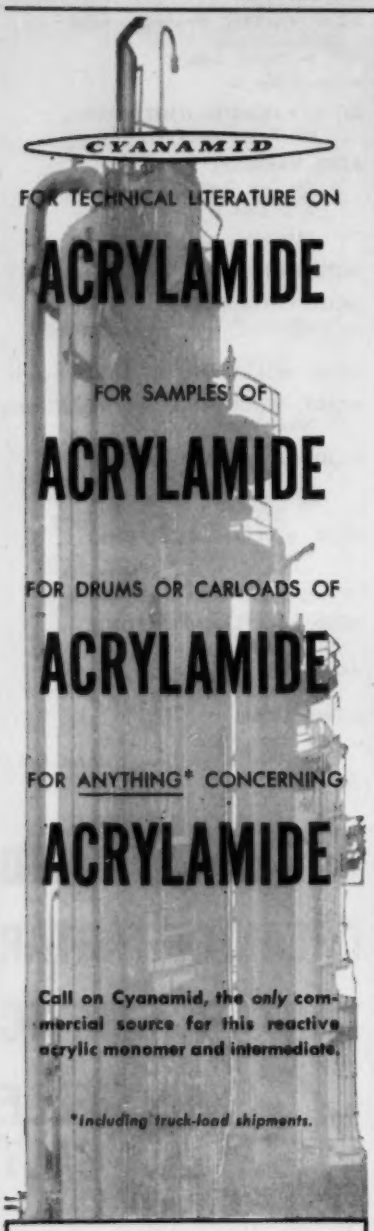
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►*Armour Industrial Chem Co
*Catalin Corp of America
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products
*Ethyl Corp
*Gulf Oil Corp, Petrochems Dept
*Kolker Chem Corp
*Oronite Chem Co
►*Witco Chem Co
*Anderson Chem Co
*Brokston Chem Co
*E I du Pont de Nemours & Co, Petroleum Chem Div
*Alox Corp
*Geigy Industrial Chems Div
*MacKenzie Chem Works
*Mobil Oil Co

ADENINE
K & K Labs
*Schwarz Labs

ADENOSINE TRIPHOSPHATE — DISODIUM, DIPOTASSIUM & DIBARIUM SALTS
*Aldrich Chem Co
*Schwarz Labs

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

ADHESIVES, CELLULOSIC

*Boler Petroleum Co
►*Borden Chem Co
*Burtonite Co

*Adhesive Products Corp
*Adhesive Products, Inc
*American Products Mfg Co
*Armstrong Cork Co
*B B Chem Co
*Chemical Development Corp
*E I du Pont de Nemours & Co, Specialties Finishes Div, 'P'
*Emkay Chem Co
*Franklin Glue Co
*Gill Chem Products
*Hughes Glue Co
*Interchem Corp, Finishes Div
*Jewel Labs
*Lacquer Specialties
*Lox Mfg Co
*Maas & Waldstein Co
*Midland Adhesive & Chem Corp
*Octagon Process, Inc
*Pierce & Stevens Chem
*Pyroxylin Products
*Raffi & Swanson
*Rubba, Inc
*Rubber & Asbestos Corp
*Marks Chem Works
*Midland Adhesive & Chem Corp
*National Industrial Products Co
*National Starch & Chem Corp
*Naugatuck Chem Div
*Perkins Glue Co
*Pierce & Stevens Chem
*I Pomeroy Co
*Puget Sound Pulp & Timber Co
*Rubba, Inc
*Rubber & Asbestos Corp
*Stiktotin Co
*Swift & Co, Adhesive Products Dept
*United Paste & Glue Corp

ADHESIVES, ELASTOMER

*Boler Petroleum Co
►*Borden Chem Co
*Burtonite Co
*Dow Corning Corp
*General Elec Co, Silicone Products Dept
Harwick Standard Chem Co
*Stein, Hall & Co

*Adhesive Products Corp
*Adhesive Products, Inc
*A Adler & Son
*Alco Oil & Chem Corp
*American Finish & Chem
*American Products Mfg
*Arabol Mfg Co
*Armstrong Cork Co
*B B Chem Co
*Borne Chem Co
*Chemical Development Corp
*Clarkson Labs
*Dacar Chem Products
*Dayton Chem Products Labs
*Devcon Corp
*E I du Pont de Nemours & Co, Finishes Div, Fabrics
*Emkay Chem Co
*Firestone Plastics Co
*Benjamin Foster Co
*Franklin Glue Co
*Furane Plastics
*Goodyear Tire & Rubber Co, Chem Div
*Hadley Bros-Uhl Co
*H V Hardman Co
*Hughes Glue Co
*Industrial Chem Specialties Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Midland Adhesive & Chem Corp
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*National Starch & Chem Corp
*Naugatuck Chem Div
*Pierce & Stevens Chem
*Pyroxylin Products
*Raybestos-Manhattan
*Rubba, Inc
*Rubber & Asbestos Corp
*Rubber Corp of America
*Swift & Co, Adhesive Products Dept
*Synco Resins
*U B S Chem Corp
*United Paste & Glue
*Wica Chem

ADHESIVES, INSOLUBLE & INFUSIBLE

►*Borden Chem Co
►*Koppers Co, Chems & Dyestuffs Div

*Adhesive Products Corp
*Adhesive Products, Inc
*A Adler & Son
*American-Marietta Co
*Armstrong Cork Co
*Chemical Development Corp
*Chemical Process Co
*Dacar Chem Products Co
*Devcon Corp
*Benjamin Foster Co
*Furane Plastics
*Hadley Bros-Uhl Co
*Hughes Glue Co
*Interchem Corps, Finishes Div
*Midland Adhesive & Chem Corp
*National Starch & Chem Corp
*Naugatuck Chem Div
*Pierce & Stevens Chem
*Pyroxylin Products
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co
*Synco Resins

ADHESIVES, NATURAL & PROTEINACEOUS

►*Borden Chem Co
*Burtonite Co
*Morningstar-Paisley, Inc
*National Casein Co
►*Reichhold Chems, Inc
*Stein, Hall & Co

*Adhesive Products Corp
*Adhesive Products, Inc
*A Adler & Son
*Alco Oil & Chem Corp
*American Finish & Chem Co
*American-Marietta Co
*Arabol Mfg Co
*Armour Alliance Industries, Adhesive Dept
*Armstrong Cork Co
*B B Chem Co
*Chemical Process Co
*Peter Cooper Corps
*Emkay Chem Co
*Franklin Glue Co
*Furane Plastics
*Hadley Bros-Uhl Co
*Hughes Glue Co
*Industrial Adhesive Co
*Industrial Chem Specialties Co
*Joy Chem Co
*Madison Glue Corp

ADHESIVES, PRESSURE-SENSITIVE

*Boler Petroleum Co
►*Borden Chem Co
*Burtonite Co
*Dow Corning Corp
*Johns-Manville
*Morningstar-Paisley, Inc
*Stein, Hall & Co

*Adhesive Products Corp
*Adhesive Products, Inc
*Alco Oil & Chem Corp
*American Finish & Chem
*American Products Mfg
*Armstrong Cork Co
*B B Chem Co
*Borne Chem Co
*Dacar Chem Products
*Dayton Chem Products Labs
*Franklin Glue Co
*Hadley Bros-Uhl Co
*Hughes Glue Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Midland Adhesive & Chem Corp
*National Starch & Chem Corp
*Naugatuck Chem Div
*Pierce & Stevens Chem
*Raybestos-Manhattan
*Rubba, Inc
*Rubber & Asbestos Corp
*Swift & Co, Adhesive Products Dept
*U B S Chem Corp
*Zophar Mills

ADHESIVES, SOLVENT EVAPORATION

►*Borden Chem Co
*Burtonite Co
►*Koppers Co, Chems & Dyestuffs Div
*Morningstar-Paisley, Inc
*National Casein Co
*National Rosin Oil Products
►*Philadelphia Quartz Co
*Scholle Chem Corp
*Stein, Hall & Co

*Adhesive Products Corp
*Adhesive Products, Inc
*A Adler & Son
*American Finish & Chem
*American Products Mfg Co
*Armstrong Cork Co
*Atlantic Refining Co
*B B Chem Co
*Borden Chem Co
*Borne Chem Co
*Carboline Co
*Chemical Development Corp
*Dacar Chem Products
*Dayton Chem Products Labs
*Devcon Corp
*E I du Pont de Nemours & Co, Finishes Div, Fabrics
*Emkay Chem Co
*Benjamin Foster Co
*Franklin Glue Co
*Furane Plastics
*Gill Chem Products
*Hadley Bros-Uhl Co
*Hughes Glue Co
*Hukill Chem Corp
*Industrial Adhesive Co
*Interchem Corp, Finishes Div
*Koppers Co, Plastics Div
*Lacquer Specialties
*Leffingwell Chem Co
*Lox Mfg Co
*Maas & Waldstein Co
*Madison Glue Corp
*Midland Adhesive & Chem Corp
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*National Starch & Chem Corp
*Octagon Process, Inc
*Pierce & Stevens Chem Corp
*Pyroxylin Products
*Raybestos-Manhattan
*Reynolds Chem Products
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co
*Swift & Co, Adhesive Products Dept
*Synco Resins
*U B S Chem Corp
*Wica Chems Inc

ADHESIVES, SYNTHETIC RESIN

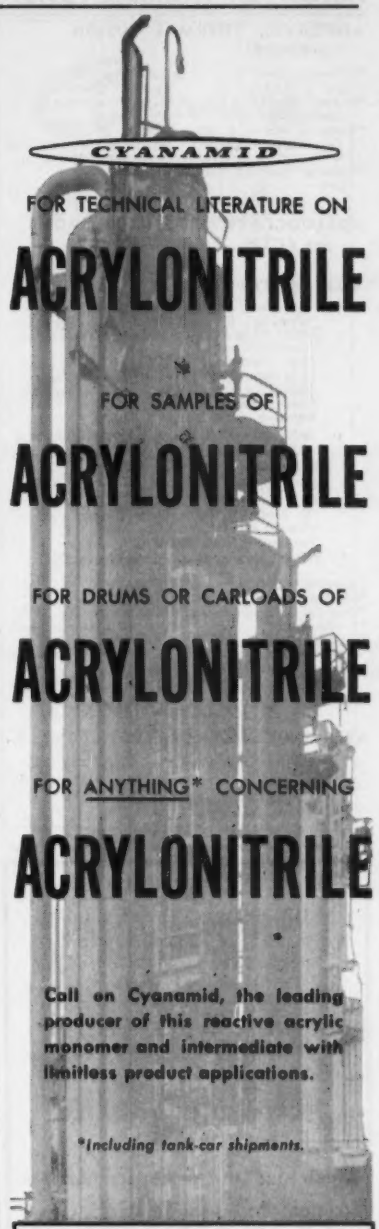
see Resins, Adhesive

ADHESIVES, THERMAL FUSION

*Boler Petroleum Co
►*Borden Chem Co
►*General Mills, Chem Div
*Johns-Manville
►*Koppers Co, Chems & Dyestuffs Div
*Morningstar-Paisley, Inc
*Stein, Hall & Co

*Adhesive Products Corp
*Adhesive Products, Inc
*A Adler & Son
*Aries Labs
*Armstrong Cork Co
*B B Chem Co
*Chemical Development Corp
*Dacar Chem Products
*Dayton Chem Products Labs
*Furane Plastics
*Hughes Glue Co
*Industrial Chem Specialties Co
*Interchem Corp, Finishes Div
*Joy Chem Co

(Continued)



Cyanamid's Acrylonitrile literature, available on request:

The Chemistry of Acrylonitrile
Handling — Storage — Analyses of Acrylonitrile
Toxicology of Acrylonitrile
The Reactions of Acrylonitrile with Halogens
Acrylonitrile in Surface Coatings
Polymers and Copolymers of Acrylonitrile

And the Periodicals:

Monomer Notes
Acrylo-News (literature abstracts)

CYANAMID

AMERICAN CYANAMID COMPANY
Petrochemicals Department
30 Rockefeller Plaza, New York 20, N. Y.

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ADHESIVES, THERMAL FUSION (continued)

*Leffingwell Chem Co
*Maas & Waldstein Co
*Midland Adhesive & Chem Corp
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*National Starch & Chem Corp
*Naugatuck Chem Div
*Pyroxylin Products
*Raybestos-Manhattan
*Synco Resins
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co
*Wica Chem
*Zophar Mills

ADRENOCORTICOTROPIC HORMONE see ACTH

ADSORBENTS

*Aluminum Co of America
*American Oil & Supply Co
*Atlas Powder Co, Chems Div
*Barnebey-Cheney Co
*Dow Chem Co
*J M Huber Corp
*Inerto Co
*Johns-Manville Merchants Chem Co
►*Minerals & Chem Corp of America
*Olin Mathieson Chem Corp, Industrial Chems
►Peerless Oil & Chem Corp
►*Reynolds Metals Co
L A Salomon & Bro
*G Frederick Smith Chem Co
*Summit Mining Corp
Thompson-Hayward Chem Co
►*Westvaco Mineral Products Div

*American Norit Co
*Bio-Rad Labs
*Chemical Process Co
*Filtrol Corp
*Floridin Co
*W A Hammond Drierite
*Industrial Minerals & Chem Co
*Linde Co
*Mobil Oil Co
*Pilot Engrg Co
*Thomas Alabama Kaolin Co
*Union Carbide Olefins Co
*Zonolite Co

AEROSOL CONCENTRATES

*Fisher Scientific Co
*Florasynth Labs
*Givaudan
*McLaughlin Gormley King Co
*Scholle Chem Corp
*Van Ameringen-Haebler Div

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*Alpine Aromatics
*G Barr & Co
*Chemical Compounding Corp
*Fairfield Chems
*Felton Chem Co
*Fuld Bros
*Geigy Agricultural Chem Div
*McGee Chem Co
*Monroe Sander Corp
*Peterson Filling & Packaging Co
*Prentiss Drug & Chem Co
*Rhodia, Inc

AEROSOLS, FORMULAS & CONTRACT FILLING

DeMert & Dougherty, Inc
►Peerless Oil & Chem Corp

*Aerosol Filling Div
*Alpine Aromatics
*G Barr & Co
*Fuld Bros
*Lawson Chem Products Co
*McGee Chem Co
*Monroe Sander Corp
*Peninsular Chem-Research
*Peterson Filling & Packaging Co
*Regal Chem Corp
*Scientific Oil Compounding Co
*Shield Chem Co

AGAR (Agal, Agar-Agar, Macascar Gum, Bengal, Japanese or Chinese Isinglass, Japanese Gelatin)

*T M Duche & Sons, Unigum Div
Inland Chem Corp
McKesson & Robbins, Inc, Chem Dept
*Morningstar-Paisley, Inc
*S B Penick & Co
►*Westvaco Mineral Products Div

*American Agar & Chem Co
*Ben Venue Labs
*Leffingwell Chem Co
*Thompson Chems Corp

AGRICULTURAL CHEMICALS see Insecticides, Fungicides, Weed Killers, Soil Conditioners, etc.

AIRCRAFT CHEMICALS

►*Allied Chem Corp, General Chem Div
*American Oil & Supply Co
►Baird Chem Industries, Inc
►*Eastman Chem Products
*Fine Organics
Inland Chem Corp
McKesson & Robbins, Inc, Chem Dept
Oronite Chem Co
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
Stoney-Mueller, Inc
*Trio Chem Works
►*Wyandotte Chem Corp

*Bernard Chem Products Co
*Clarkson Labs
*Davies-Young Soap Co
*Lorenz Chem Co
*Oakite Products
*Octagon Process, Inc
*Penetone Co
*Peninsular Chem-Research
*E W Smith Chem Co
*Wye Industries

AIR DEHUMIDIFIERS

►Peerless Oil & Chem Corp
*Ultra Chem Works
*Union Carbide Chems Co
►*Wyandotte Chem Corp

*Davies-Young Soap Co
*B R Elk & Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*W A Hammond Drierite
*Sullivan Co
*Swift & Co

AIR-ENTRAINING AGENTS see Flotation Agents

ALABASTER see Gypsum

α-ALANINE

Pfanstiehl Labs

*Schwarz Labs

β-ALANINE

*Fallek Products Co
R W Greeff & Co
Industrial Chem & Dye Co

*Abbott Labs
*B F Goodrich Chem Co

ALBUMIN, BLOOD

R W Greeff & Co
Irving M Sobin Co

*United Chem & Organic Products
*Wilson Labs

ALBUMIN, EGG (Ovalbumin)

►*J T Baker Chem Co
*Mallinckrodt Chem Works
Stein, Hall & Co

*Fermco Labs
*Octagon Process, Inc
*United Chem & Organic Products
*Wilson Labs

ALBUMIN, MILK (Whey Albumin)

*Sheffield Chem Div

ALBUMIN TANNATE

*Fine Organics

*Chemo Puro Mfg Corp
*Polychem Labs

ALCOHOL, ABIETYL

*Hercules Powder Co

ALCOHOL, ACETONYL see Acetol

ALCOHOLS, ACETYLENIC

*Air Reduction Chem Co Div
*Farchan Research Labs

ALCOHOL, ALLYL (Propenol, Propenyl Alcohol)

*Dow Chem Co

*Shell Chem Corp

ALCOHOL, pri.-n-AMYL (1-Pentanol, n-Butyl Carbinol)

►*J T Baker Chem Co
Chemical Solvents, Inc
Chemsol, Inc
Fallek Products Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
*Publicker Industries
Stoney-Mueller, Inc
*Union Carbide Chems Co
Wallach-Gracer Export Corp

*Octagon Process, Inc

ALCOHOL, sec.-n-AMYL (Methylpropyl Carbinol, 2-Pentanol)

►Aceto Chem Co
►*J T Baker Chem Co
Chemsol, Inc
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
Wallach-Gracer Exports Corp

*Octagon Process, Inc

ALCOHOL, sec.-AMYL see 3-Pentanol

ALCOHOL, tert.-AMYL (2-Methyl-2-Butanol; Dimethyl Ethyl Carbinol)

►*J T Baker Chem Co
*Pennsalt Chems Corp
Wallach-Gracer Export Corp

*Octagon Process, Inc

ALCOHOLS, AMYL, MIXED

►Aceto Chem Co
Chemical Solvents, Inc
Chemsol, Inc
►*Commercial Solvents Corp
DeMert & Dougherty, Inc
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
*Publicker Industries
Solvents & Chem Group
Stoney-Mueller, Inc
Tar Residuals
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
Wallach-Gracer Export Corp

ALCOHOL, ANISYL

Florasynth Labs
*Givaudan
R W Greeff & Co
S B Penick & Co
►*Trubek Labs

*Felton Chem Co

ALCOHOL, ARACHIDYL

►*M Michel & Co

*Archer-Daniels-Midland Co

ALCOHOL, BEHENYL (1-Docosanol)

►*M Michel & Co

*Archer-Daniels-Midland Co

*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

ALCOHOL, BENZYL

►American-British Chem Supplies
►*Benzol Products Co
Florasynth Labs
*Givaudan
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
S B Penick & Co
►*Trubek Labs

*Eastern States Petroleum & Chem Corp
*Shulton, Inc
*Tennessee Products & Chem Corp
*Tracerlab Inc

ALCOHOL, BORNYL see Borneol

ALCOHOL, 5-BROMOVANILLYL

*Eastern Chem Corp

ALCOHOL, n-BUTYL

►American-British Chem Supplies
American Mineral Spirits Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
Bergstrom Trading Co
R J Brown Co
Browning Chem Corp
►*Celanese Corp of America, Chem Div
Chemical Solvents, Inc
Chemsol, Inc
►*Commercial Solvents Corp
De Mert & Dougherty, Inc
*Fisher Scientific Co
Harshaw Chem Co
Inland Chem Corp
►Jones Chems, Inc
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
*Publicker Industries
Scholle Chem Corp
Sessions-Gifford Co
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
Washine Chem Corp
►Western Pennsylvania Chem Co

*Octagon Process, Inc

ALCOHOL, sec.-BUTYL

American Mineral Spirits Co
►*J T Baker Chem Co
Chemical Solvents, Inc
Chemsol, Inc
De Mert & Dougherty, Inc
►Enjay Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co

*Octagon Process, Inc
*Shell Chem Corp

ALCOHOL, tert.-BUTYL

►*J T Baker Chem Co
Chemsol, Inc
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp

*Shell Chem Corp

ALCOHOL, BUTYL, MIXED

Chemsol, Inc
*Harchem Div, Wallace & Tiernan Inc
Stoney-Mueller, Inc

*Procter & Gamble Co

ALCOHOL, BUTYRIC see Alcohol, n-Butyl

ALCOHOL, CAPRYLIC see Alcohol, n-Octyl, Primary and Secondary

ALCOHOL, CETYL

►Aceto Chem Co
*Aldrich Chem Co
Croda, Inc
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products Co
*Givaudan
R W Greeff & Co
M W Hardy & Co
Hummel Chem Co
►*Humphrey-Wilkinson
Matheson Coleman & Bell
Merchants Chem Co
►*M Michel & Co
Robeco Chem
►*Rohm & Haas Co

*Archer-Daniels-Midland Co
*Robinson Wagner Co
*Werner G Smith, Inc

ALCOHOL, CHLOROISOPROPYL see Propylene Chlorohydrin

ALCOHOL, CINNAMIC

Florasynth Labs
*Givaudan
S B Penick & Co

*Marine Products Co
*Schimmel & Co

ALCOHOL, CROTYL (2-Buten-1-ol, Propenylcarbinol, γ-Methyl-Allyl Alcohol)

►*Borden Chem Co
*K & K Labs

*Chemical Intermediates & Research Labs
*Edcan Labs

ALCOHOL, CYCLOPENTYL

*Arapahoe Chem

*Ell Lilly & Co

ALCOHOL, n-DECYL

►Aceto Chem Co
►Barclay Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products
Florasynth Labs
*Givaudan
►*Humphrey-Wilkinson
Matheson Coleman & Bell
►M Michel & Co
►Peerless Oil & Chem Corp
►*Rohm & Haas Co

*Archer-Daniels-Midland Co
*Polak's Frutal Works
*Procter & Gamble Co

ALCOHOL, pri.-DECYL

*Amoco Chems Corp
►Enjay Co
Sessions-Gifford Co
*Union Carbide Chems Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

Celanese®

ALCOHOLS

METHANOL

NORMAL PROPYL ALCOHOL

NORMAL BUTYL ALCOHOL

ISOBUTYL ALCOHOL

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PALO ALTO • ST. LOUIS • WILMINGTON

BPC BPC BPC

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Benzyl Chloride

3, 4 Dimethyl Benzyl Chloride

Ethyl Benzyl Chloride

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Benzaldehyde

BPC Benzol PRODUCTS COMPANY

237 SOUTH STREET, NEWARK 5, NEW JERSEY

Manufacturers of Fine Chemicals

ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOLS & SOLVENTS

For n-Butyl Alcohol

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Boston—Homestead 9-0022
Chicago—Randolph 6-6678

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DIVISION OF UNION CARBIDE CORPORATION
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alcohols
ethyl alcohol
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proprietary ethyl alcohol 95% and anhydrous
isobutyl alcohol
2-ethylhexyl alcohol
2-ethylisohexyl alcohol

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Chicago (Skokie), Ill.—IRving 8-2771
Cincinnati, Ohio—MAin 1-6730
Cleveland, Ohio—SKyline 1-2083
Detroit, Mich.—KEnwood 4-3861
Framingham, Mass.—TRinity 3-3443
Greensboro, N. C.—BRoadway 4-4603
Houston, Texas—CApitol 7-5222
Kingsport, Tenn.—CIrcle 6-2111
New York, N. Y.—ORegon 9-1820
St. Louis, Mo.—PArkview 7-4608
West Coast: Wilson Meyer Co.
San Francisco, Calif.—YUkon 6-4151
Los Angeles, Calif.—RAymond 3-9421
Portland, Ore.—CApitol 8-2388
Seattle, Wash.—ATwater 4-1620
Salt Lake City, Utah—3-3943

Eastman
CHEMICAL PRODUCTS, INC.
Subsidiary of Eastman Kodak Company
KINGSPORT, TENNESSEE

ALCOHOL, DENATURED

►*Allied Chem Corp, General Chem Div
American Mineral Spirits Co
American Oil & Supply Co
►*J T Baker Chem Co
►Barclay Chem Co
R J Brown Co
Chemical Solvents, Inc
►*Commercial Solvents Corp
►*Eastman Chem Products
Fischer Scientific Co
Howe & French Inc
Chas L Huisking & Co
Inland Chem Corp
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
Schoille Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
Washine Chem Corp
►Western Pennsylvania Chem Co
Wollen Chem & Supply Co
*Allied Industrial Products Co
*Puget Sound Pulp & Timber Co
*Octagon Process, Inc
*Shell Chem Corp

ALCOHOL, DIACETONE

American Mineral Spirits Co
R J Brown Co
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
*Shell Chem Corp

ALCOHOL, n-DODECYL see Alcohol, Lauryl

ALCOHOL, ETHYL

American Mineral Spirits Co
American Oil & Supply Co
R J Brown Co
Chemical Solvents, Inc
►*Commercial Solvents Corp

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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Boston—Homestead 9-0022
Chicago—Randolph 6-6678

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Specially Denatured—All formulas regular and anhydrous
Completely Denatured—All formulas regular and anhydrous

PURE ETHYL ALCOHOL, U.S.P.—190 Proof and Absolute 200 Proof

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PROPRIETARY ALCOHOL SOLVENTS

SOLOX*—Proprietary, denatured alcohol, general purpose solvent

FILMEX*—Special propietary denatured alcohol solvent

U.S. INDUSTRIAL CHEMICALS CO.
Division of National Distillers and Chemical Corp.
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Branches in principal cities

ENJAY

LOWER ALCOHOLS

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  - Specially Denatured
- ISOPROPYL (Petrohol(r))
  - 91%
  - 95%
  - Anhydrous
- SEC. BUTYL

For typical inspections and applications see ENJAY products brochure in this issue. Write or phone for further information

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►Peerless Oil & Chem Corp
*Publicker Industries
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Stoney-Mueller, Inc
Thompson-Hayward Chem Co
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
►Western Pennsylvania Chem Co

*Allied Industrial Products Co
*Grain Processing Corp
*Octagon Process, Inc
*Puget Sound Pulp & Timber Co
*Shell Chem Corp
*Tracerlab Inc

ALCOHOL, ETHYL, ABSOLUTE

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►*Eastman Chem Products
McKesson & Robbins, Inc, Chem Dept
*Publicker Industries
Scholle Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
Washine Chem Corp

*Allied Industrial Products Co
*Tracerlab Inc

ALCOHOL, 2-ETHYLBUTYL

►Peerless Oil & Chem Corp
*Union Carbide Chems Co

ALCOHOL, ETHYLENE see Ethylene Glycol

ALCOHOL, 2-ETHYLHEXYL

►Baird Chem Industries, Inc
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►*Eastman Chem Products
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

ALCOHOL, 2-ETHYLISOHEXYL

DeMert & Dougherty, Inc
►*Eastman Chem Products
Stoney-Mueller Inc

ALCOHOLS, FATTY

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*Baker Castor Oil Co
Croda, Inc
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products Co
*Fanning Chem Corp
*Givaudan
R W Greeff & Co
*Harchem Div, Wallace & Tiernan Inc
M W Hardy & Co
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Industrial Chem & Dye Co
►M Michel & Co
►*Rohm & Haas Co

*Archer-Daniels-Midland Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Procter & Gamble Co
*Robinson Wagner Co
*Werner G Smith, Inc

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*Fallek Products Co
*Fanning Chem Corp
*Harchem Div, Wallace & Tiernan Inc
M W Hardy & Co
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►M Michel & Co
►*Rohm & Haas Co

*Archer-Daniels-Midland Co
*Robinson Wagner Co
*Werner G Smith, Inc

ALCOHOL, FURFURYL (Furyl Carbinol)

►Barclay Chem Co
►Peerless Oil & Chem Corp
►*Quaker Oats Co

*Furane Plastics

ALCOHOL, GLYCYL see Glycerine

ALCOHOL, HEPTADECYL

International Selling Corp
*Union Carbide Chems Co

ALCOHOL, n-HEPTYL see 1-Heptanol

ALCOHOL, n-HEXADECYL see Alcohol, Cetyl

ALCOHOL, n-HEXYL (Hexanol)

►Baird Chem Industries, Inc
►*J T Baker Chem Co
*Union Carbide Chems Co

ALCOHOL, o-HYDROXYBENZYL see Saligenin

ALCOHOL, ISOAMYL (Isobutyl Carbinol)

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►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Matheson Coleman & Bell
*Pennsalt Chems Corp
*Publicker Industries
Stoney-Mueller, Inc

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►Baird Chem Industries, Inc
►*J T Baker Chem Co
►*Celanese Corp of America, Chem Div
Chemical Solvents, Inc
Chemsol, Inc
De Mert & Dougherty, Inc
►*Eastman Chem Products
Harwick Standard Chem Co
►Jones Chems, Inc
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co
Washine Chem Corp

*Octagon Process, Inc

ALCOHOLS, ISOOCTYL, MIXED

*Amoco Chem Corp
►*Eastman Chem Products
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*Gulf Oil Corp, Petrochems Dept
►Peerless Oil & Chem Corp

*Eastern States Petroleum & Chem Corp

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American Mineral Sprlits Co
American Oil & Supply Co
►*J T Baker Chem Co
Barada & Page
►Barclay Chem Co
R J Brown Co
Chapman Chem Co
*Chemical Affiliates
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►Enjay Co
*Fisher Scientific Co
Harwick Standard Chem Co
J F Henry Chem Co
Howe & French Inc
Inland Chem Corp
►Jones Chems, Inc
Lotte Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►Modern Solvents & Chems Corp
Opalco Lab
►Peerless Oil & Chem Corp
Schoile Chem Corp
Sessions-Gifford Co
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Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
*Union Carbide Chems Co
►Western Pennsylvania Chem Co
Wolien Chem & Supply Co

*Allied Industrial Products Co
*Octagon Process, Inc
*Shell Chem Corp

ALCOHOL, LAURYL (1-Dodecanol, 1-Dodecyl Alcohol)

►*Aceto Chem Co
Croda, Inc
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products Co
Florasynth Labs
*Givaudan
►*Humphrey-Wilkinson
Matheson Coleman & Bell
►*M Michel & Co
►Peerless Oil & Chem Corp
►*Rohm & Haas Co

*Archer-Daniels-Midland Co *Werner G Smith, Inc

ALCOHOL, METHYL

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►American-British Chem Supplies
American Mineral Spirits Co
American Oil & Supply Co
►Baird Chem Industries, Inc
►* J T Baker Chem Co
Barada & Page
►Barclay Chem Co
R J Brown Co
►*Celanese Corp of America, Chem Div
Chapman Chem Co
Chemical Solvents, Inc
Chemsol, Inc
►*Commercial Solvents Corp
DeMert & Dougherty, Inc
*E I du Pont de Nemours & Co, Polychem Dept
*Fisher Scientific Co
Harshaw Chem Co
J F Henry Chem Co
*Hercules Powder Co
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Howe & French Inc
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►Jones Chems, Inc
Lotte Chem Corp
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Matheson Coleman & Bell
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
New England Chem Supply Corp
*Olin Mathieson Chem Corp, Industrial Chems
*Olin Mathieson Chem Corp, Organic Chems

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►Peerless Oil & Chem Corp
►*Reichhold Chems, Inc
Scholle Chem Corp
Sessions-Gifford Co
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
Thompson-Hayward Chem Co
Joseph Turner & Co
*Union Carbide Chems Co
Wallach-Grace Export Corp
Washine Chem Corp
►Western Pennsylvania Chem Co
Wollen Chem & Supply Co

*Allied Industrial Products Co
*Crossett Chem Co
*Escambia Chem Corp
*Hercules Powder Co
*Octagon Process, Inc
*Spencer Chem Co
*Tennessee Products & Chem Corp

ALCOHOL, γ-METHYLALLYL
see Alcohol, Crotyl

ALCOHOL, METHYL AMYL (4-Methylpentanol-2, Isobutylmethylcarbinol)
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Chemical Solvents, Inc
DeMert & Dougherty, Inc
►Jones Chems, Inc
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

*Shell Chem Corp

ALCOHOL, α-METHYL BENZYL
see Alcohol, Styralyl

ALCOHOL, MYRISTYL
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*Fallek Products Co
*Givaudan
►*Humphrey-Wilkinson
►*M Michel & Co
►*Rohm & Haas Co
*Union Carbide Chems Co

*Archer-Daniels-Midland Co
*Robinson Wagner Co
*Werner G Smith, Inc

ALCOHOL, NONYL see Alcohol, 3,5,5-Trimethylhexyl

ALCOHOL, n-NONYL
*Aldrich Chem Co
*Chemical Mfg Co
Florasynth Labs
*Givaudan
►Peerless Oil & Chem Corp
*Union Carbide Chems Co

ALCOHOLS, NONYL, MIXED
*Felton Chem Co

ALCOHOL, n-OCTADECYL see Alcohol, Stearyl

ALCOHOL, OCTYL see Alcohol, n-Octyl, Primary and Secondary; Alcohol, 2-Ethylhexyl

ALCOHOL, pri.-n-OCTYL (1-Octanol, Capryl Alcohol)
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*Givaudan
►*Humphrey-Wilkinson
McKesson & Robbins, Inc, Chem Dept
►*M Michel & Co
►Peerless Oil & Chem Corp
S B Penick & Co
►*Rohm & Haas Co
Tar Residuals

*Archer-Daniels-Midland Co
*Octagon Process, Inc
*Polak's Frutal Works
*Procter & Gamble Co

ALCOHOL, sec.-n-OCTYL (Methyl Hexyl Carbinol, 2-Octanol, Capryl Alcohol)
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*Givaudan
*Harchem Div, Wallace & Tiernan Inc
M W Hardy & Co
*Hatco Chem Co
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William E Phillips
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Tar Residuals

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ALCOHOL, OLEYL
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*Givaudan
R W Greeff & Co
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Robeco Chems

*Archer-Daniels-Midland Co
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*Robinson Wagner Co
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ALCOHOL, PHENYL ETHYL (Benzyl Carbinol, 2-Phenylethanol)
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Florasynth Labs
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►*Colton Chem Co
*Shawinigan Resins Corp

*E I du Pont de Nemours & Co, Electrochem Dept

ALCOHOL, PROPARGYL (2-Propyn-1-ol)

*Antara Chem Div
*Farchan Research Labs

ALCOHOL PROPENYL see Alcohol, Allyl

ALCOHOL, PROPIOLIC see Alcohol, Propargyl

ALCOHOL, n-PROPYL

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American Mineral Spirits Co
►*J T Baker Chem Co
►*Celanese Corp of America, Chem Div
Chemical Solvents, Inc
*Fisher Scientific Co
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Scholle Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
Washine Chem Corp

*Eastern States Petroleum & Chem Corp

ALCOHOL, SALICYL see Saligenin

ALCOHOL, SESQUITERPENE see Cedrol

ALCOHOL, STEARYL (Octadecanol, n-Octadecyl Alcohol)

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Croda, Inc
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products Co
R W Greeff & Co
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Matheson Coleman & Bell
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*Union Carbide Chems Co

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*Fallek Products Co
►*M Michel & Co

*E I du Pont de Nemours & Co, Dyes & Chem Div *Nyanza Color & Chem Co
*Warwick Chem Co Div

ALCOHOL, n-TETRADECYL see Alcohol, Myristyl

ALCOHOLS, TERPENE

*Givaudan
*Heyden Newport Chem Corp

*Fritzsche Bros *Glidden Co

ALCOHOL, TETRAHYDROFURFURYL

*Givaudan
►*Quaker Oats Co

ALCOHOL, TRICHLORO-tert.-BUTYL see Chlorobutanol

ALCOHOL, TRIDECYL

►Enjay Co
*Union Carbide Chems Co

*Eastern States Petroleum & Chem Corp

ALCOHOL, TRIMETHYL NONYL

*Union Carbide Chems Co

ALCOHOL, UNDECYL (5-Ethylnonanol-2, 2-Hendecanol)

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*Givaudan
►Peerless Oil & Chem Corp
*Union Carbide Chems Co

*Polak's Frutal Works

ALCOHOL, UNDECYLENYL

Florasynth Labs
*Givaudan

*Polak's Frutal Works

ALCOHOL, VANILLYL

*Eastern Chem Corp

ALCOHOL, WOOD see Alcohol, Methyl

ALCOHOLS, WOOL WAX

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*Hummel Chem Co
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*Lanaetex Products *Robinson Wagner Inc
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*Oronite Chem Co
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*Amplon Corp
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*Inertol Co
*Mountain Copper Co
*National Aluminate Corp
*Naugatuck Chem Div
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*Octagon Process, Inc
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*Gane & Ingram
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ALKENYL SUCCINIC ANHYDRIDES

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►*Humphrey-Wilkinson
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ALKYL ACETYLENE see Acetylenic Hydrocarbons

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*American Cyanamid Co, Organic Chem Div
*Atlas Powder Co, Chems Div
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*Amalgamated Chem Corp
*Ardmore Chem Co
*Arol Chem Products
*Atlantic Refining Co
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*Eastern Color & Chem Co
*Emkay Chem Co
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*E F Houghton & Co
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Pilot California Co
*Process Chem Co
*Reilly-Whiteman-Walton Co
*Swift & Co, General Soap Dept
*Tanatex Chem Corp
*R T Vanderbilt Co
*Warwick Chem Co Div
*Wica Chem

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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►*Onyx Oil & Chem Co
*Trio Chem Works
►*Witco Chem Co
*Atlantic Refining Co

ALKYL DIETHYL MALONATES
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ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDES see Benzalkonium Chloride

ALKYL DIMETHYL DICHLOROBENZYL AMMONIUM CHLORIDES, HIGHER
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McKesson & Robbins, Inc, Chem Dept
*Barlow Chem Corp *Gallowhur Chem Corp

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*Antara Chem Div
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*Emkay Chem Co *R T Vanderbilt Co
*Warwick Chem Co Div

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►*Hooker Chem Corp
*Kolker Chem Corp
*Victor Chem Works

ALKYL PHOSPHONATES
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►*Monsanto Chem Co
*Victor Chem Works
►*Virginia-Carolina Chem Corp
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ALLANTOIN
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Gane & Ingram
*Gane's Chem Works
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McLaughlin Gormley King Co
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*Trio Chem Works
*Fairfield Chem Div

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*Fallek Products Co
*K & K Labs
*Roselle Labs *Tracerlab Inc

ALLOXANTIN
*Eastman Organic Chems
*K & K Labs
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ALLYL ACETONE
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►*Food Machy & Chem Corp, Chems & Plastics Div

ALLYL ACRYLATE
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ALLYL ALDEHYDE see Acrolein

ALLYL AMINE
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ALLYL BROMIDE
►*Borden Chem Co
*Dow Chem Co
*Fisher Scientific Co
*Michigan Chem Corp

ALLYL CAPROATE
*Aldrich Chem Co
►*Borden Chem Co
Florasynth Labs
*Givaudan
R W Greeff & Co
S B Penick & Co
*Van Ameringen-Haebler Div
*Fairmount Chem Co *Kaplop Labs
*Felton Chem Co *Polak's Frutal Works
*Fritzsche Bros

ALLYL CAPRYLATE
►*Borden Chem Co
Florasynth Labs
S B Penick & Co
*Fairmount Chem Co *Kaplop Labs
*Felton Chem Co

ALLYL CHLORIDE (Chloroallylene, Trichloropropene, α-Monochloropropylene)
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*Dow Chem Co
*Kaplop Labs *Shell Chem Corp

ALLYL CROTONATE
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*Edcan Labs *Kaplop Labs

ALLYL CYANIDE
►*Aceto Chem Co
*Aldrich Chem Co
*K & K Labs
*Kaplop Labs *Roberts Chems, Inc
*Peninsular ChemResearch

ALLYL CYCLOHEXYLPROPIONATE
►*Borden Chem Co
*Dow Chem Co
S B Penick & Co
*Felton Chem Co

ALLYL HEPTOATE
►*Borden Chem Co
Florasynth Labs
R W Greeff & Co
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ALLYLIDENE DIACETATE
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ALLYL MERCAPTAN (Allyl Sulfhydrate, 2-Propene-1-Thiol)
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ALMOND OIL see Oil, Almond

ALMOND, SWEET
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Gane & Ingram
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Meer Corp
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ALPHENYL see Acid, 5-Allyl-5-Phenylbarbituric

ALUM, AMMONIA (Aluminum Ammonium Sulfate)
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POTASH CHROME ALUM
(Chromium Potassium Sulfate)
Reagent • Photo
SODIUM ALUMINUM SULFATE
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ALUMINUM CHLORIDE, Solution
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*Mallinckrodt Chem Works
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*Consolidated Chem Industries
*E I du Pont de Nemours & Co, Grasselli Chem
*Octagon Process, Inc

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►*Allied Chem Corp, General Chem Div
►Barclay Chem Co
City Chem Corp
*Fiber Chem Corp

ALUM, BURNT (Exsiccated Aluminum Ammonium Sulfate or Aluminum Potassium Sulfate)
►*Allied Chem Corp, General Chem Div
►*American Cyanamid Co, Industrial Chem Div
*Mallinckrodt Chem Works
►*Stauffer Chem Co

ALUM, CHROME **see Alum, Potash Chrome**

ALUM FLOWERS **see Alum, Potash**

ALUM MEAL **see Alum, Potash**

ALUM, PAPERMAKERS' **see Aluminum Sulfate**

ALUM, POTASH (Alum, Alum Flowers, Alum Meal, Cube Alum, Aluminum Potassium Sulfate, Burnt Alum)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
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ALUMINA **see Aluminum Oxide**

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International Selling Corp
►*Reynolds Metals Co
►Western Pennsylvania Chem Co
*Bio-Rad Labs
*Catalysts & Chems Inc
*Filtrol Corp
*Kaiser Chems Div

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International Selling Corp
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*Union Carbide Metals Co

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Millmaster Chem Corp
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ALUMINUM DIFORMATE see Aluminum Formate, Basic

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►*Allied Chem Corp, General Chem Div
►*Reynolds Metals Co
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►Aceto Chem Co
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*Andor Labs

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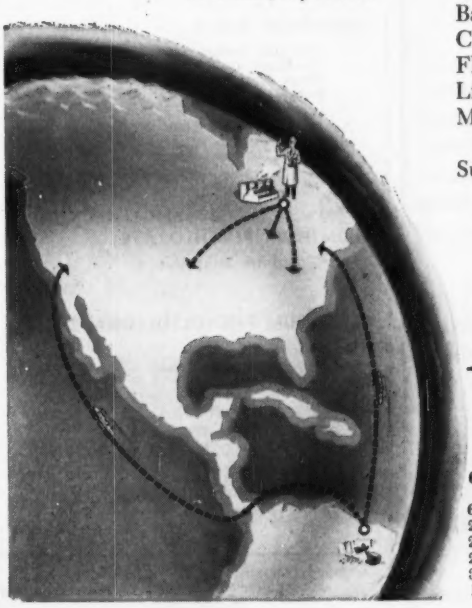
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see Alumina, Hydrated and Bauxite

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►*Nopco Chem Co
*Nuodex Products Co
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*Company classifies itself as producer
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*City Chem Corp

ALUMINUM TRIFORMATE see Aluminum Formate, Normal

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Florasynth Labs
G Frederick Smith Chem Co
*Atlantic Chem Corp
*Peerless Color Co
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Florasynth Labs

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►*Foote Mineral Co
Var-Lac-Oid Chem Co

AMIANTHUS see Asbestos

AMIDES

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Intex Chem Corp
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*Emkay Chem Co
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*Warwick Chem Co Div
*Wye Industries

AMIDOL see Diaminophenol Hydrochloride

AMINES

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►*Allied Chem Corp, Nitrogen Div
*Antara Chem Div
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*Olin Mathieson Chem Corp, Organic Chems
*Pennotex Oil Corp
*Pennsalt Chems Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Wyandotte Chem Corp
*Archer-Daniels-Midland Co
*Barlow Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Freeman Industries
*Hexagon Labs
*National Aluminate Corp
*Process Chem Co
*Sapon Labs
*Warwick Chem Co Div
*Western Chem Co

p-AMINOACETANILIDE (N-Acetyl-p-Phenylenediamine)

*Antara Chem Div
*Joseph Turner & Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Sandoz, Inc
*Wilson Organic Chems

m-AMINOACETOPHENONE

*Eastern Chem Corp
R W Greeff & Co
*K & K Labs

o-AMINOACETOPHENONE

*Aldrich Chem Co
*K & K Labs

p-AMINOACETOPHENONE

*Eastern Chem Corp
*K & K Labs

9-AMINOACRIDINE

►*Allied Chem Corp, National Aniline Div
R W Greeff & Co
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9-AMINOACRIDINE HYDROCHLORIDE

*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
R W Greeff Co
K & K Labs

1-AMINOANTHRAQUINONE

*Aldrich Chem Co
*American Cyanamid Co, Organic Chem Div
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours Co, Dyes & Chem Div
*Francolor, Inc

2-AMINOANTHRAQUINONE

*American Cyanamid Co, Organic Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Wilson Organic Chems

4-AMINOANTIPYRINE

*Winthrop Labs
*Polychemical Labs

p-AMINOAZOBENZENE (p-Aminodiphenylimide, Phenylazoaniline, Aniline Yellow)

►*Allied Chem Corp, National Aniline Div
*Peerless Color Co
*Sandoz, Inc

p-AMINOAZOBENZENE HYDROCHLORIDE

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o-AMINOAZOTOLUENE
(2-Amino-5-azotoluene, Toluazotoluidine)
►*Allied Chem Corp, National Aniline Div
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Peerless Color Co

o-AMINOBENZAMIDE see Anthranilamide

AMINOBENZENE see Aniline

p-AMINOBENZENESULFONAMIDE see Sulfanilamide

2-AMINOBENZENETHIOL
*American Cyanamid Co, Organic Chem Div

2-AMINOBENZOTHIAZOLE
*Eastman Organic Chems
*Fairmount Chem Co

m-AMINOBENZOTRIFLUORIDE
►*Aceto Chem Co
*Eastern Chem Corp
*K & K Labs
►*Maumee Chem Co
Riches-Nelson, Inc
*Roberts Chems, Inc

o-AMINOBENZOTRIFLUORIDE
►*Maumee Chem Co

AMINOBENZOYLDIETHYLAMINOETHANOL HYDROCHLORIDE see Procaine Hydrochloride

o-AMINOBIPHENYL
*K & K Labs

2-AMINO-1-BUTANOL
*Aldrich Chem Co
►*Commercial Solvents Corp

3-AMINO-4-CHLOROBENZOTRIFLUORIDE
►*Maumee Chem Co

o-AMINO-p-CHLOROPHENOL
►*Maumee Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Sandoz, Inc

AMINOCUMENE see Cumidine

AMINODICHLOROBENZENE see Dichloroaniline

p-AMINODIETHYLANILINE
*Industrial Dyestuff Co

p-AMINODIETHYLANILINE HYDROCHLORIDE
*Industrial Dyestuff Co

p-AMINODIMETHYLANILINE
►*Allied Chem Corp, National Aniline Div

p-AMINODIMETHYLANILINE HYDROCHLORIDE
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp

p-AMINODIMETHYLANILINE SULFATE
*Nease Chem Co
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AMINODIMETHYLBENZENE see Xylidines

p-AMINODIPHENYLAMINE HYDROCHLORIDE
*Aldrich Chem Co
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p-AMINODIPHENYLIMIDE see p-Aminoazobenzene

AMINOETHANE see Ethylamine

1-AMINOETHANOL see Aldehyde Ammonia

2-AMINOETHANOL see Ethanolamine

AMINOETHYLETHANOLAMINE (Hydroxyethylethylene Diamine)
*Dow Chem Co
►*Jefferson Chem Co
*Union Carbide Chems Co

β-AMINOETHYLGLYOXALINE see Histamine

AMINOETHYL HYDROGEN SULFATE
*Aldrich Chem Co
*Kaplop Labs
*Roberts Chems, Inc

2-AMINO-2-ETHYL-1,3-PROPANEDIOL
►*Commercial Solvents Corp

AMINOFORM see Hexamethylenetetramine

AMINO-G SALT
►*Allied Chem Corp, National Aniline Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

AMINOGUANIDINE BICARBONATE (Aminate)
*American Cyanamid Co, Market Development Dept
*Fairmount Chem Co
*Trojan Powder Co

AMINO-ISOPROPYLBENZENE see Cumidine

6-AMINO-2-MERCAPTOBENZOTHIAZOLE
*Eastman Organic Chems

AMINOMERCURIC CHLORIDE see Mercury, Ammoniated

AMINOMETHANE see Methylamine

2-AMINO-2-METHYL-1,3-PROPANEDIOL
►*Commercial Solvents Corp

2-AMINO-2-METHYL-1-PROPANOL
►*Commercial Solvents Corp

AMINOMETHYL PYRIDINES
*Aldrich Chem Co
*Reilly Tar & Chem Corp
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α-AMINONAPHTHALENE see α-Naphthylamine

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►*American Cyanamid Co, Fine Chems Dept

2-AMINO-6-OXYPURINE see Guanine

AMINOPHEN see Aniline

m-AMINOPHENOL
*Wilson Organic Chems

o-AMINOPHENOL
*Beacon Chem Industries
*Fairmount Chem Co
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p-AMINOPHENOL
*Amoco Chems Corp
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*E I du Pont de Nemours & Co, Dyes & Chem Div
*Verona-Pharma Chem Corp
*Wilson Organic Chems

p-AMINOPHENOL OXALATE
*City Chem Corp

1-AMINO-2-PHENYLETHANE see Phenyl Ethylamine

3-AMINOPHTHALHYDRAZIDE (Luminol)
*K & K Labs
*Beacon Chem Industries
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AMINOPHYLLINE (Theophylline Ethylenediamine)
►*Barclay Chem Co
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3-AMINOPROPANOL
*Aldrich Chem Co
*American Cyanamid Co, Market Development Dept

2-AMINOPYRIDINE
*Reilly Tar & Chem Corp
*Nepera Chem Co

3-AMINOPYRIDINE
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*California Spray-Chem Corp
*Collier Carbon & Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
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AMMONIA CRYSTALS see Ammonium Carbonate

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AMMONIO-FERRIC OXALATE see Iron Ammonium Oxalate

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AMMONIUM BIBORATE see Ammonium Borate

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- Lotte Chem Corp
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- McKesson & Robbins, Inc, Chem Dept
- *NYQ Chem Div, S B Penick & Co
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- Riches-Nelson, Inc
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- ►*Allied Chem Corp, Solvay Process Div
- ►*J T Baker Chem Co
- ►Barclay Chem Co
- Philip A Hunt Co
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- *Fiber Chem Corp

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- *Beacon Chem Industries

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- *City Chem Corp
- *Filo Color & Chem Corp

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- *Harshaw Chem Co
- *Kawecki Chem Co

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- ►*Westvaco Chlor-Alkali Div

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AMMONIUM HYDROXIDE see Ammonia, Aqua

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*Tanatex Chem Corp

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Millmaster Chem Corp
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*Var-Lac-Old Chem Co

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*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Wallach-Gracer Export Corp
Wollen Chem & Supply Co

*Apache Powder Co
*Collier Carbon & Chem Corp
*Escambia Chem Corp
*Ketona Chem Corp
*Olin Mathieson Chem Corp, Plant Food
*Phillips Chem Co
*Spencer Chem Co
*Standard Oil Co
*Trojan Powder Co
*United States Steel Corp

AMMONIUM NITRATE, SOLUTION

►*Allied Chem Corp, Nitrogen Div
►*Commercial Solvents Corp
*E I du Pont de Nemours & Co, Explosives Dept
►*Monsanto Chem Co
►*Sinclair Petrochems, Inc
►*U S Industrial Chems Co

*Ketona Chem Corp
*Sohio Chem Co
*Spencer Chem Co
*The Texas Co
*United States Steel Corp

AMMONIUM OLEATE (Ammonia Soap)

*Harshaw Chem Co
*Mathe Chem Co
*Shepherd Chem Co

*Beacon Chem Industries
*Cabell Chem Co
*Hodag Chem Corp
*Leffingwell Chem Co
*Fred'k A Stresen-Reuter
*Wica Chem

AMMONIUM OXALATE

►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Chas Pfizer & Co

AMMONIUM PALMITATE

*Mathe Chem Co

*Hodag Chem Corp

AMMONIUM PENTABORATE

►*Allied Chem Corp, General Chem Div
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
*United States Borax & Chem Corp

AMMONIUM PERCHLORATE

►*American Potash & Chem Corp
Bergstrom Trading Co
Hummel Chem Co
International Selling Corp
Mercer Chem Corp
*G Frederick Smith Chem Co

AMMONIUM PERSULFATE

►*Allied Chem Corp, General Chem Div
►*Baird Chem Industries, Inc
►*J T Baker Chem Co
►*Becco Chem Div
►Berkshire Chems Inc
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
*Pennsalt Chems Corp
Riches-Nelson, Inc
E M Sergeant Pulp & Chem Co

AMMONIUM PHOSPHATE, DIBASIC (sec.-Ammonium Phosphate, Hydrogen Diammonium Phosphate, Diammonium o-Phosphate)

H J Baker & Bro
►*J T Baker Chem Co
►Barclay Chem Co
Harshaw Chem Co
Howe & French Inc
International Commodities Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works

*Colorado Fuel & Iron Corp
*Mora Chem Corp
*Shell Chem Corp

AMMONIUM PHOSPHATE, HEMIBASIC

McKesson & Robbins, Inc, Chem Dept

*Collier Carbon & Chem Corp

AMMONIUM PHOSPHATE, MONOBASIC (Primary Ammonium Phosphate, Ammonium Biphosphate)

H J Baker & Bro
►*J T Baker Chem Co
Harshaw Chem Co
International Commodities Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works

*Collier Carbon & Chem Corp
*Olin Mathieson Chem Corp, Plant Food
*Mora Chem Corp
*Southwestern Agrochem Corp

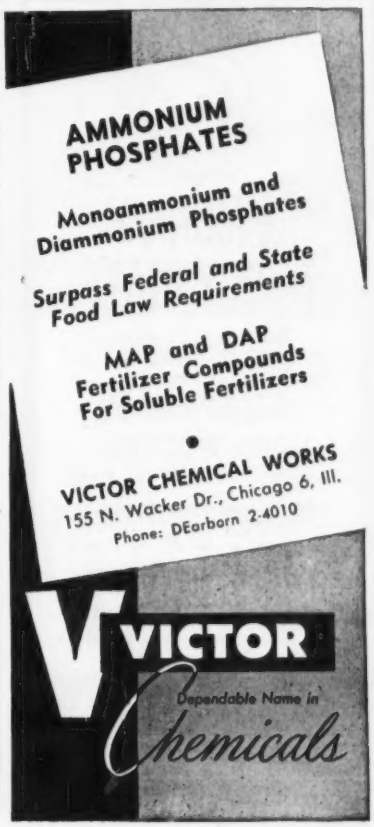
AMMONIUM PHOSPHATE, PRIMARY see Ammonium Phosphate, Monobasic

AMMONIUM PHOSPHATE, SECONDARY see Ammonium Phosphate, Dibasic

AMMONIUM PHOSPHATE, TRIBASIC (Neutral Ammonium Phosphate, Triammonium Phosphate)

►Barclay Chem Co
International Commodities Corp
McKesson & Robbins, Inc, Chem Dept

MILLMASTER
IMPORTS
AMMONIUM PERSULPHATE
Potassium Persulphate
GUANIDINE CARBONATE
Guanidine Thiocyanate
THIOUREA
BARIUM HYDRATE
BARIUM OXIDE
SODIUM CHLORITE
MILLMASTER
INTERNATIONAL, INC.
295 Madison Ave.,
New York 17, N.Y.
MUrray Hill 9-1817



*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

HALBY
THIOCYANATES
• AMMONIUM
• Sodium
• Calcium
• Potassium
✓ Crystals or Solutions
✓ Highest Purity
✓ Produced Synthetically
✓ Prompt Delivery
✓ Available in carloads and tank cars
Ask about Halby Thioglycolates
HALBY CHEMICAL CO., Inc.
WILMINGTON 99, DELAWARE

J.T.Baker CHEMICAL
AMMONIUM THIOCYANATE
Technical Crystal
50% Solution in Tank Cars
Reagent Crystal
SODIUM THIOCYANATE
Reagent • N. F. • Tech.
POTASSIUM THIOCYANATE
Reagent • N. F. • Tech.
CALCIUM THIOCYANATE
Purified 55-60% Solution
See page 62 for our complete listing
J. T. BAKER CHEMICAL CO.
Phillipsburg, N. J.
NEW YORK • CHICAGO
PHILADELPHIA • LOS ANGELES

AMMONIUM PHOSPHITE
*City Chem Corp

AMMONIUM RHODANIDE see **Ammonium Thiocyanate**

AMMONIUM RICINOLEATE
*Baker Castor Oil Co
*Beacon Chem Industries *Hodag Chem Corp

AMMONIUM SALICYLATE
*NYQ Chem Div, S B Penick & Co
*B L Lemke & Co *Polychemical Labs
*Meta Chem Corp

AMMONIUM SELENATE
*Var-Lac-Oid Chem Co

AMMONIUM SELENITE
*City Chem Corp
*Var-Lac-Oid Chem Co

AMMONIUM SILICOFLUORIDE
►*American Agricultural Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
►*Davison Chem Co Div
Harshaw Chem Co
Henry Sundheimer Co
Thompson-Hayward Chem Co
Washine Chem Corp

AMMONIUM STEARATE
*Mathe Chem Co
Millmaster Chem Corp
►*Nopco Chem Co
*Shepherd Chem Co
►*Witco Chem Co
*Beacon Chem Industries *Hodag Chem Corp
*Cabell Chem Co *Leffingwell Chem Co
*Crown Chem Corp

AMMONIUM SOAP see **Ammonium Oleate, Ammonium Stearate, etc.**

NP
Ammonium Sulphate
Ammonia Liquor
ALL ASTM SPECIFICATIONS
BENZOL
TOLUOL
XYLOL
ORTHO-XYLOL META-PARA-XYLOL
TANK CARS • TANK WAGONS • DRUMS
NITROGEN PRODUCTS, INC.
NATIONAL BANK BUILDING
NEW BRUNSWICK, NEW JERSEY
CHarter 9-5900

AMMONIUM SUCCINATE
*City Chem Corp

AMMONIUM SULFAMATE
*Fine Organics
*E I du Pont de Nemours & Co, Grasselll Chem

AMMONIUM SULFATE
►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Nitrogen Div
H J Baker & Bro
►*J T Baker Chem Co
►Berkshire Chems Inc
Browning Chem Corp
Fallek Products Co
Harshaw Chem Co
*Hercules Powder Co
Independent Chem Corp
International Commodities Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
Nitrogen Products, Inc
Opalco Lab
*Pittsburgh Coke & Chem Co
►*Rohm & Haas Co
E M Sergeant Pulp & Chem Co
J U Starkweather Co
*United States Pipe & Foundry Co
►Western Pennsylvania Chem Co
Wollen Chem & Supply Co
*Alabama By-Products Corp
*Bethlehem Steel Co
*Collier Carbon & Chem Corp
*Donner-Hanna Coke Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Filtrol Corp
*Inland Steel Co
*Koppers Co, Tar Products Div
*Mobil Oil Co
*Olin Mathieson Chem Corp, Plant Food
*Phillips Chem Co
*Schuylkill Chem Co
*Shell Chem Corp
*Southwestern Agrochem Corp
*Summers Fertilizer Co
*Tennessee Products & Chem Corp
*United States Steel Corp

AMMONIUM SULFIDE SOLUTION
►*J T Baker Chem Co
*Chemical Products Corp (Ga)
*Columbia-Southern Chem Corp
*Fisher Scientific Co
*Halby Chem Co
*Mallinckrodt Chem Works
*Barium Reduction Corp

AMMONIUM SULFITE
*Mallinckrodt Chem Works

AMMONIUM SULFOCARBOLATE see **Ammonium p-Phenolsulfonate**

AMMONIUM SULFOCYANIDE see **Ammonium Thiocyanate**

AMMONIUM SULFONATE (Ammonium Benzenesulfonate)
►*Bryton Chem Co
Sole Chem Corp
*L Sonneborn Sons
*Process Chem Co

AMMONIUM SULFORICINOLEATE
*Beacon Chem Industries

AMMONIUM TARTRATE
►*J T Baker Chem Co
*Gane's Chem Works
*Mallinckrodt Chem Works

AMMONIUM THIOCYANATE (Ammonium Sulfocyanide, Ammonium Rhodanide)
►*J T Baker Chem Co
Fisher Scientific Co
*Halby Chem Co
*Mallinckrodt Chem Works
Pfaltz & Bauer, Inc
Riches-Nelson, Inc
*Koppers Co, Tar Product Div

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

AMMONIUM THIOGLYCOLATE
►*Evans Chemetics
Midland Tar Distillers
*Fairmount Chem Co
*Halby Products Co
*Neatsfoot Oil Refineries Corp

AMMONIUM THIOSULFATE
►*Allied Chem Corp, General Chem Div
*City Chem Corp
Fisher Scientific Co
Hostachem Corp
Philip A Hunt Co
*Morton Chem Co
J U Starkweather Co
*North Metal & Chem Co

AMMONIUM TUNGSTATE
*Var-Lac-Oid Chem Co

AMMONIUM VALERATE (Ammonium Isovalerate)
*K & K Labs
*R S A Corp
*Fairmount Chem Co

AMMONIUM m-VANADATE (Ammonium Vanadate)
►Berkshire Chems Inc
Chemical Commerce
City Chem Corp
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*F W Berk & Co
*Fairmount Chem Co
*Union Carbide Metals Co
*Vanadium Corp of America

AMOBARBITAL
►American-British Chem Supplies
►*Benzol Products Co
*Gane's Chem Works
Gane & Ingram
R W Greeff Co
McKesson & Robbins, Inc, Chem Dept
George Uhe Co
*Eli Lilly & Co
*Polychemical Labs

AMOBARBITAL SODIUM
*Gane's Chem Works
Gane & Ingram
R W Greeff & Co
McKesson & Robbins, Inc, Chem Dept
George Uhe Co

AMPHETAMINE
*Fallek Products Co
R W Greeff & Co
►*Sumner Chem Co Div
*Arenol Chem Corp
*Biorganic Labs
*Hexagon Labs
*Roselle Labs

AMPHETAMINE SALTS
J H DeLamar & Son
European Chem Co
*Fallek Products Co
*Gane & Ingram
R W Greeff & Co
►*Sumner Chem Co Div
George Uhe Co
*Arenol Chem Corp
*Biorganic Labs
*Hexacon Labs
*Roselle Labs

AMPHIBOLE see Asbestos, Amphibole

n-AMYL ACETATE (Banana Oil, Amylacetic Ester, n-Pentyl Acetate)
American Mineral Spirits Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
*Fallek Products Co
Florasynth Labs
R W Greeff & Co
Inland Chem Corp
►Jones Chems, Inc
►Peerless Oil & Chem Corp
*Publicker Industries
Scholle Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co
Wallach-Gracer Export Corp
Washine Chem Corp
*Brothers Chem Co

sec.-AMYL ACETATE
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Felton Chem Co

AMYL ACETATES, MIXED
►Aceto Chem Co
►American-British Chem Supplies
Chemical Solvents, Inc
DeMert & Dougherty, Inc
*Mallinckrodt Chem Works
*Pennsalt Chems Corp
Solvents & Chems Group
*Union Carbide Chems Co
Wallach-Gracer Export Corp
*Northwestern Chem Co

AMYL ACID PHOSPHATE
*Kolker Chem Co
►*Monsanto Chem Co
*Victor Chem Works

AMYL ALDEHYDE see n-Valeraldehyde

n-AMYLAMINE (1-Aminopentane)
*Pennsalt Chems Corp
Wallach-Gracer Export Corp
*Ames Labs
*Andor Labs
*Freeman Industries

AMYLASE see Diastase

AMYL BENZOATE see Isoamyl Benzoate

n-AMYL BROMIDE (n-Bromopentane)
*Andor Labs
*Brothers Chem Co
*Kaplop Labs

n-AMYL BUTYRATE
Florasynth Labs
*Andor Labs
*Dodge & Olcott
*Felton Chem Co
*Kaplop Labs
*Polak's Frutal Works

n-AMYL CAPROATE
Florasynth Labs
*Andor Labs
*Dodge Olcott
*Felton Chem Co
*Kaplop Labs
*Polak's Frutal Works

n-AMYL CHLORIDE (1-Chloropentane)
*Brothers Chem Co
*Kaplop Labs

AMYL CHLORIDES, MIXED
*Pennsalt Chems Corp

α-AMYL CINNAMIC ALDEHYDE
Florasynth Labs
*Givaudan
S B Penick & Co
*Van Ameringen-Haebler Div
*Felton Chem Co
*Fritzsche Bros

AMYL DECYL PHTHALATE
*Kessler Chem Co
*Deecy Products Co

n-AMYL DIETHYL MALONATE
►*Benzol Products Co

AMYLENE see Pentene

AMYLENE HYDRATE see Alcohol, tert.-Amyl

AMYL FORMATE (Isoamyl Formate, n-Formic Ester)
Florasynth Labs
*Givaudan
*Andor Labs
*Dodge & Olcott
*Felton Chem Co
*Fritzsche Bros
*Kaplop Labs
*Polak's Frutal Works

AMYL HYDRIDE see Pentane

AMYLIN see Dextrin

AMYL LAURATE
*Kessler Chem Co

n-AMYL MERCAPTAN (Pentanethiol)
*Kaplop Labs

tert.-AMYL MERCAPTAN
*Phillips Petroleum Co, Special Products Div

AMYL MYRISTATE
*Kessler Chem Co

AMYL NAPHTHALENE
*Pennsalt Chems Corp

AMYL NITRATE
*Ethyl Corp
*Hummel Chem Co

AMYL NITRITE see Isoamyl Nitrite

AMYL OLEATE
*Kessler Chem Co
*Kaplop Labs

AMYLOSE
Stein, Hall & Co

o-sec.-AMYL PHENOL (Amyl-p-Phenol, 1-Amyl-4-Hydroxybenzene)
*Aldrich Chem Co
*Pennsalt Chems Corp

p-tert.-AMYL PHENOL
*Pennsalt Chems Corp
Wallach-Gracer Export Corp

AMYL PROPIONATE
Florasynth Labs
*Givaudan
*Dodge & Olcott
*Felton Chem Co
*Polak's Frutal Works

AMYL SALICYLATE see Isoamyl Salicylate

AMYL STEARATE
*Kessler Chem Co

UHE
GEORGE UHE CO., INC.
76 NINTH AVENUE • NEW YORK 11, N. Y.
WAtkins 9-0870
AMOBARBITAL
BUTABARBITAL
PENTOBARBITAL
PHENOBARBITAL
SECOBARBITAL
SALICYLAMIDE
SULFANILAMIDE
SULFAPYRIDINE
Established 1921

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ORGANIC CHEMICALS

Specializing in

BULK QUANTITIES OF FINE ORGANICS

•

ANALYTICAL REAGENTS

•

INDICATORS

•

BIOCHEMICALS

•

UNUSUAL INTERMEDIATES

Also inquire for items not listed in this directory

EASTERN CHEMICAL CORPORATION

34-B SPRING ST., NEWARK 4, N. J.
Tel: HUmboldt 2-6939

ARAPAHOE TRADE-MARK

LABORATORY REAGENTS

GIRARD'S "P" AND "T" REAGENTS
(For isolation and separation of ketonic materials)

POTASSIUM METAPERIODATE
(A.C.S. Reagent, for determination of manganese in steel)

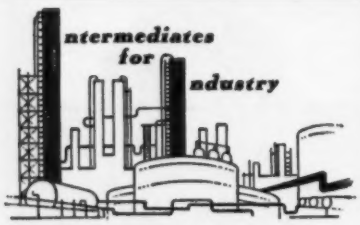
PYRIDINIUM BROMIDE PERBROMIDE
(Solid, easily handled source of bromine)

SODIUM METAPERIODATE
(A.C.S. Reagent, also meets AOCS spec. for determination of glycerol)

THIOACETAMIDE
(Reagent Grade, for precipitation of metal sulfides)

"ZEREWITINOFF" REAGENT
(MeMgI in purified amyl ether)

ARAPAHOE CHEMICALS, INC.
2800 PEARL STREET • BOULDER, COLORADO
PRODUCERS OF FINE ORGANIC CHEMICALS



a few of the high-quality intermediates of which Cyanamid is a basic producer . . .

aniline oil

Aniline Salt
Diethylaniline
Dimethylaniline
Monomethylaniline
Monoethylaniline
Sulfanilic Acid

Bulletins available upon request

CYANAMID

AMERICAN CYANAMID COMPANY
Intermediates Department
Bound Brook, New Jersey

Chicago • Philadelphia • Boston • Cleveland • Los Angeles

(See complete product list in Intermediates Section)

DOW

ANILINE

THE DOW CHEMICAL COMPANY
Midland, Michigan

DOW

Sales offices in principal cities

AMYL SULFIDE
*Wateree Chem Co

AMYL TRICHLOROSILANE
*Dow Corning Corp
*Union Carbide Corp, Silicones Div
*Peninsular ChemResearch

AMYL TRIETHOXYSILANE
*Union Carbide Corp, Silicones Div
*Peninsular ChemResearch

AMYLUM MARANTA see Starch, Corn

ANALYTICAL REAGENTS
*Arapahoe Chem
City Chem Corp
*Dow Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
Inland Chem Corp
*Mallinckrodt Chem Works
*Matheson Coleman & Bell
►*Merck Chem Div
*Var-Lac-Oid Chem Co
*Andor Labs
*Bio-Rad Labs
*B R Elk & Co
*Hagan Chem & Controls
*Schwarz Labs
*Southwestern Analytical Chems

ANATASE
*National Lead Co
*New Jersey Zinc Co

ANDALUSITE
Var-Lac-Oid Chem Co

ANETHOLE
*Arizona Chem Co
Florasynth Labs
*Givaudan
*Heyden Newport Chem Corp
George Lueders & Co
*S B Penick & Co
*Felton Chem Co
*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

ANGELICA
Florasynth Labs
Meer Corp
S B Penick & Co
*Prentiss Drug & Chem Co
*Rhodia, Inc

ANGLESITE see Lead Sulfate

ANHYDROENNEAHEPTITOL (3,3,5,5-Tetrakis [hydroxymethyl]-4-pyranol)
►*Celanese Corp of America, Chem Div

ANILINE (Aniline Oil, Aminobenzene, Phenylamine, Aminophen, Cyanol, Benzidam)
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►*J T Baker Chem Co
►Barclay Chem Co
Ciba Co
*E I du Pont de Nemours & Co, Explosives Dept
Fisher Scientific Co
Harwick Standard Chem Co
*Mallinckrodt Chem Works

ANILINE ACETATE
*City Chem Corp

ANILINE CHLORIDE see Aniline Hydrochloride

ANILINE HYDROCHLORIDE (Aniline Salt, Aniline Chloride)
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
H P Rossiger & Co
*Tracerlab Inc

ANILINE OXALATE
*City Chem Corp

ANILINE PHOSPHATE
*City Chem Corp
*Eastern Chem Corp

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

ANILINE SALT see Aniline Hydrochloride

ANILINE SULFATE
*Eastern Chem Corp
*California Ink Co

ANILINE YELLOW see p-Aminoazobenzene

ANIMAL BLACK see Bone Black and Drop Black

ANIMÉ see Gum, Copal

ANISALDEHYDE (p-Methoxybenzaldehyde, Aubepine, p-Anisaldehyde)
Florasynth Labs
*Givaudan
R W Greeff & Co
S B Penick & Co
►*Trubek Labs
*Fries Bros
*Schimmel & Co

o-ANISALDEHYDE
*Ansul Chem Co

m-ANISIDINE
*Aldrich Chem Co
Hostachem Corp

o-ANISIDINE (o-Methoxyaniline)
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

p-ANISIDINE
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
*E I du Pont de Nemours & Co Dyes & Chem Div
*Verona-Pharma Chem Corp

ANISOIN (p,p'-Dimethoxybenzoin)
*Aldrich Chem Co
R W Greeff & Co
*R S A Corp
*Ell Lilly & Co

ANISOLE (Methyl Phenyl Ether)
*Ansul Chem Co
*Givaudan
R W Greeff & Co
*E I du Pont de Nemours & Co Grasselli Chem
*Verona-Pharma Chem Corp

ANISOYL CHLORIDE
*Heyden Newport Chem Corp

ANISYL CHLORIDE
*Givaudan
►*Trubek Labs

ANISYL CYANIDE
*Givaudan
►*Trubek Labs

ANNATTO (Arnatto, Annotta, Arnotta, Orleana, Roucou, Bixin, Butter Color)
Meer Corp
Vitamins, Inc
*Barnett Labs
*Freeman Industries
*Paul-Lewis Labs

ANNIDALIN see Thymol Iodide

ANNOTTA see Annatto

ANTACIDIN see Calcium d-Saccharate

ANTHION see Potassium Persulfate

ANTHRACENE (Anthracene Oil, Anthracin, Green Oil)
*Aldrich Chem Co
►*Allied Chem Corp, Plastics & Coal Chems Div
Chemical Affiliates
*Reilly Tar & Chem Corp
Tar Residuals
*Coopers Creek Chem Corp
*Crowley Tar Products Co
*Francolor, Inc
*Koppers Co, Tar Products Div
*Pilot Chems, Inc

ANTHRALIN (1,8,9-Anthratriol; 1,8-Dihydroxyanthranol)
*Gane's Chem Works

ANTHRANILAMIDE
►*Maumee Chem Co

ANTHRAQUINONE (Diphenyleneketone, Dyhydrodiketoanthracene)
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Ciba Co
H P Rossiger & Co
*Francolor, Inc

ANTHRONE (Anthranone)
*Aldrich Chem Co
►*J T Baker Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*Andor Labs

ANTIBIOTICS
*Bristol Labs
Browning Chem Corp
►*Commercial Solvents Corp
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
*S B Penick & Co
George Uhe Co
►*U S Industrial Chems Co
*Pabst Brewing Co
*Wallerstein Co
*Whitmoyer Labs

ANTI-CAKING AGENTS
►*Allied Chem Corp, Solvay Process Div
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
*Godfrey L Cabot
*Columbia-Southern Chem Corp
*J M Huber Corp
*Johns-Manville
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►M Michel & Co
►*Minerals & Chem Corp of America
►*Monsanto Chem Co
►*Nopco Chem Co
►*Quaker Oats Co
*Synthetic Chem
*Victor Chem Works
►*Westvaco Mineral Products Div
►*Witco Chem Co
*Emkay Chem Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Mona Industries
*Tamms Industries Co
*Thomas Alabama Kaolin Co
*Universal Detergents
*Zonolite & Co

ANTI-CORROSION AGENTS see Inhibitors, Corrosion

ANTI-FELTING AGENTS
*Maher Color & Chem Co
*Britex Corp
*Nyanza Color & Chem Co
*Scholler Bros

ANTI-FLOATING AGENTS
*Advance Solvents & Chem Div
*Baker Castor Oil Co
*Dow Corning Corp
*Finetex Inc
*General Elec Co, Silicone Products
*Hercules Powder Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*L Sonneborn Sons
*Union Carbide Corp, Silicones Div
*American Finish & Chem Co
*Bryant Chem Corp
*Continental Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Hodag Chem Corp
*Nyanza Color & Chem Co
*Raybo Chem Co
*Scholler Bros
*Troy Chem Co
*Wica Chem
*Wye Industries

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses



One of the high-quality intermediates of which Cyanamid is a basic producer . . .

anthraquinone

Bulletin available upon request

CYANAMID

AMERICAN CYANAMID COMPANY
Intermediates Department
Bound Brook, New Jersey
Chicago • Philadelphia • Boston • Cleveland • Los Angeles

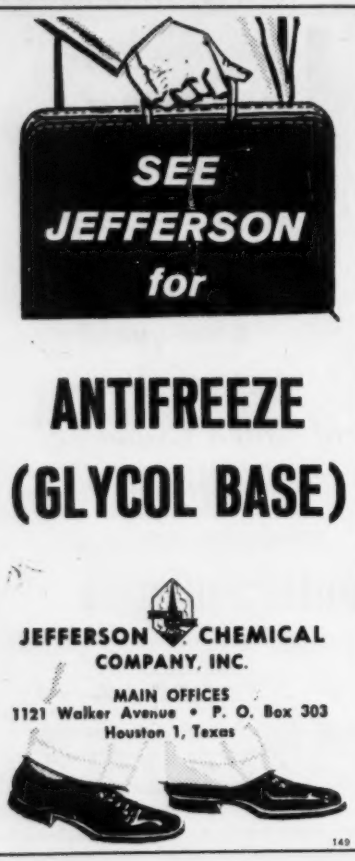
(See complete product list in Intermediates Section)

ANTIBIOTICS

Penitracin
(Penick brand Bacitracin USP)
Zinc Bacitracin
Bacitracin Methylene Disalicylate (DPS)
Bacitracin Derivatives
Neomycin Sulfate
Neomycin Palmitate
Neomycin Derivatives
Tyrothricin
Gramicidin
Tyrocidine Hydrochloride

We manufacture these special-use antibiotics and will be glad to discuss the custom production of others

NYQ CHEMICAL DIVISION
PENICK
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ANTI-FOAMING AGENTS see Defoamers

ANTI-FOG AGENTS

►*Onyx Oil & Chem Co

*Britex Corp
*C P Hall Co
*Merix Chem Co
*Octagon Process, Inc
*Wye Industries

ANTIFREEZES, ETHYLENE GLYCOL

►*Allied Chem Corp, Nitrogen Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
*American Oil & Supply Co
*Antara Chem Div
Browning Chem Corp
►*Commercial Solvents Corp
*Dow Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
Inland Chem Corp
►*Jefferson Chem Co
Merchants Chem Co
*National Carbon Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Scholle Chem Corp
Thompson-Hayward Chem Co
Trio Chem Works
*Union Carbide Chems Co
Washine Chem Corp
►*Wyandotte Chem Corp
Wollen Chem & Supply Co

*Aetna Color & Chem Co
*Allied Industrial Products Co
*Merix Chem Co
*Octagon Process, Inc
*Penetone Co
*G S Robins & Co
*Thompson Chem Co

ANTIFREEZES, METHANOL

►*Allied Chem Corp, Nitrogen Div
►American-British Chem Supplies
*American Oil & Supply Co
Chemical Solvents, Inc
*Chemsol, Inc
►*Commercial Solvents Corp
*E I du Pont de Nemours & Co, Polychem Dept
*Heyden Newport Chem Corp
Chas L Huisking & Co
Merchants Chem Co
*National Carbon Co
►Peerless Oil & Chem Corp
*Scholle Chem Corp
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
*Joseph Turner & Co
*Union Carbide Chems Co
Washine Chem Corp
Wollen Chem & Supply Co

*Aetna Color & Chem Co
*Allied Industrial Products Co.
*Penetone Co
*G S Robins & Co
*Tennessee Products & Chem Corp
*Thompson Chem Co

ANTI-FROTHING AGENTS

*Antara Chem Div
*Argus Chem Corp
►*Commercial Solvents Corp
*Dow Corning Corp
*Maher Color & Chem Co
►M Michel & Co
►*Monsanto Chem Co
Sole Chem Corp
*Stoney-Mueller, Inc
*Union Carbide Corp, Silicones Div
►*Witco Chem Co

*Amalgamated Chem Corp
*American Finish & Chem
*American-Marietta Co
*Atlas Refinery Inc
*C P Hall Co
*Hodag Chem Corp
*Mobil Oil Co
*National Aluminate Corp
*Seaboard Chem
*Swift & Co

ANTIHISTAMINES

*Bristol Labs
*Fallek Products Co
R W Greeff & Co
►*Koppers Co, Chems & Dyestuffs Div
►*Merck Chem Div
►*Monsanto Chem Co
►*Nopco Chem Co

*Biorganic Labs
*Chemo Puro Mfg Corp
*Hexagon Labs
*Nepera Chem Co
*Roselle Labs

ANTI-KNOCK AGENTS—see also, Additives, Gasoline

*Ethyl Corp
Industrial Chem & Dye Co

*E I du Pont de Nemours & Co, Petroleum Chem Div

ANTIMONIC SULFIDE see Antimony Pentasulfide

ANTIMONINE see Antimony Lactate

ANTIMONITE see Stibnite

ANTIMONY BLACK see Stibnite

ANTIMONY BLOOM see Antimony Trioxide

ANTIMONY CHLORIDE see Antimony Trichloride

ANTIMONY FLUORIDE see Antimony Trifluoride

ANTIMONY GLANCE see Stibnite

ANTIMONY GRAY see Stibnite

ANTIMONY, METAL (Antimony Regulus, Stibium)

►*J T Baker Chem Co
*Belmont Smelting & Refining Works
*Hummel Chem Co
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
*Mallinckrodt Chem Works
*National Lead Co
*Var-Lac-Oid Chem Co

*American Smelting & Refining Co
*Bram Metal-Chem Co

ANTIMONY OXIDE see Antimony Trioxide

ANTIMONY PENTACHLORIDE (Antimony Perchloride)

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*Harshaw Chem Co
*Var-Lac-Oid Chem Co

ANTIMONY PENTASULFIDE (Antimony Red; Antimony Persulfide; Antimony Sulfide, Golden; Antimonic Sulfide)
*City Chem Corp
►*Foote Mineral Co
*Hummel Chem Co
*McGean Chem Co
*Var-Lac-Oid Chem Co
*Barium & Chems *General Metallic Oxides Co

ANTIMONY PENTOXIDE (Antimonic Acid; Antimonic Anhydride; Stibic Anhydride)
*Hummel Chem Co
*Var-Lac-Oid Chem Co

ANTIMONY PERCHLORIDE see Antimony Pentachloride

ANTIMONY PERSULFIDE see Antimony Pentasulfide

ANTIMONY POTASSIUM TARTRATE (Tartar Emetic, Tartrated Antimony)
►*J T Baker Chem Co
European Chem Co
Harshaw Chem Co
Independent Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Chas Pfizer & Co
Revelli Chems, Inc
Wollen Chem & Supply Co

ANTIMONY RED see Antimony Pentasulfide

ANTIMONY REGULUS see Antimony, Metal

ANTIMONY SALT (de Haens Salt)
►Barclay Chem Co
*Var-Lac-Oid Chem Co
*Fairmount Chem Co

ANTIMONY SULFATE (Antimony Trisulfate, Antimonous Sulfate)
*Eastern Chem Corp
Indussa Corp
*Var-Lac-Oid Co

ANTIMONY SULFIDE see Antimony Trisulfide, Antimony Pentasulfide and Stibnite

ANTIMONY SULFIDE, GOLDEN see Antimony Pentasulfide

ANTIMONY SULFIDE, NATIVE see Stibnite

ANTIMONY TARTRATE
*City Chem Corp

ANTIMONY TETROXIDE
*Hummel Chem Co
*Var-Lac-Oid Chem Co
*Evans Lead Corp

ANTIMONY TRIBROMIDE (Antimony Bromide)
*City Chem Corp
*Var-Lac-Oid Chem Co

ANTIMONY TRICHLORIDE (Butter of Antimony, Antimony Chloride)
►*J T Baker Chem Co
*Fisher Scientific Co
R W Greeff & Co
►*Hooker Chem Corp
Hummel Chem Co
Kraft Chem Co
*Mallinckrodt Chem Works
►*Stauffer Chem Co
*Var-Lac-Oid Chem Co

ANTIMONY TRIFLUORIDE (Antimony Fluoride)
►*Allied Chem Corp, General Chem Div
*Harshaw Chem Co
*Var-Lac-Oid Chem Co

ANTIMONY TRIIODIDE
*City Chem Corp
Clearbrook Chem Co
*Var-Lac-Oid Chem Co
*Edcan Labs

ANTIMONY TRIOXIDE (Antimony White; Antimony Bloom; Flowers of Antimony)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
Browning Chem Corp
Faesy & Besthoff
*Harshaw Chem Co
Hummel Chem Co
Indussa Corp
Kraft Chem Co
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Metal & Thermit Corp
Revelli Chems, Inc
Riches-Nelson, Inc
*Var-Lac-Oid Chem Co
Whittaker, Clark & Daniels
*Evans Lead Corp

ANTIMONY TRISULFATE see Antimony Sulfate

ANTIMONY TRISULFIDE (Antimony Orange; Antimony Sulfuret)
Browning Chem Corp
*City Chem Corp
Croton Chem Corp
M W Hardy & Co
*Harshaw Chem Co
*Hummel Chem Co
*McGean Chem Co
*Var-Lac-Oid Chem Co
*Barium & Chems *Rare Metal Products Co

ANTIOXIDANTS—see also Anti-Skinning Agents, Preservatives and Stabilizers
►*Allied Chem Corp, National Aniline Div
*Argus Chem Corp
►*Borden Chem Co
(Continued)

See company directory for addresses
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CHEMICALS
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Sodium Antimonate
FLAME RETARDERS
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See page 145 for details
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*Givaudan
*Goldschmidt Chem Corp
R W Greeff & Co
*Heyden Newport Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
*Neville Chem Co
NYQ Chem Div, S B Penick & Co
*Nuodex Products Co
►*Onyx Oil & Chem Co
*Pennsalt Chems Corp
Sindar Corp
►*Sumner Chem Co Div
*Union Carbide Chems Co
*Universal Oil Products Co
*Adhesive Products Corp
*Alco Oil & Chem Corp
*Ames Labs
*California Ink Co
*Chemo Puro Mfg Corp
*Ferro Chem Corp
*B F Goodrich Chem Co
*Goodyear Tire & Rubber Co, Chem Div
*Hagan Chem & Controls
*Koppers Co, Tar Products Div
*Mona Industries
*Naugatuck Chem Div
*Raybo Chem Co
*Rubba, Inc
*Shell Chem Corp
*A E Staley Mfg Co
*Wm J Stange Co
*Wallerstein Co

ANTIOXIDANTS, FOOD

*Armour Pharmaceutical Co
*Catalin Corp of America
►*Eastman Chem Products
*Fallek Products Co
*Fine Organics
*Goldschmidt Chem Corp
*Hercules Powder Co
*Heyden Newport Chem Corp
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
►*Monsanto Chem Co
►*Nopco Chem Co
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Vitamins, Inc

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*Swift & Co
*Takamine Lab
*Wallerstein Co

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*Catalin Corp of America
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*Ethyl Corp
*Fallek Products Co
*Fine Organics
*Givaudan
R W Greeff & Co
*Hercules Powder Co
*Heyden Newport Chem Corp
McKesson & Robbins, Inc, Chem Dept
*Neville Chem Co
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*Nuodex Products Co
►*Onyx Oil & Chem Co
Sindar Corp
*Union Carbide Chems Co
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*Fries Bros
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*Geigy Industrial Chems Div
*B F Goodrich Chem Co
*Koppers Co, Tar Products Div
*Mona Industries
*Oakite Products
*Shell Chem Corp
*Wm J Stange & Co
*Swift & Co

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►*Allied Chem Corp, National Aniline Div
*Catalin Corp of America
►*Eastman Chem Products
*Hercules Powder Co
*Heyden Newport Chem Corp
*Neville Chem Co
*Nuodex Products Co
*Universal Oil Products Co

*Ames Labs
*Mona Industries
*Raybo Chem Co
*Swift & Co
*Troy Chem Co

ANTIOXIDANTS, PETROLEUM

*American Oil & Supply Co
*Amoco Chem Corp
*Catalin Corp of America
*Chemical Mfg Co
►*Commercial Solvents Corp
►*Eastman Chem Products
►Enjay Co
*Ethyl Corp
*Fallek Products Co
►*General Mills, Chem Div
*Hercules Powder Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Neville Chem Co
►*Onyx Oil & Chem Co
RITA Chem Corp
*Universal Oil Products Co

*B F Goodrich Chem Co
*Koppers Co, Tar Products Div
*Mobil Oil Co
*Mona Industries
*National Aluminate Corp
*Raybo Chem Co
*Swift & Co

ANTIOXIDANTS, RUBBER—see also Antiozonants

*American Cyanamid Co, Organic Chem Div
*Catalin Corp of America
*Dow Chem Co
►*Eastman Chem Products
*Ethyl Corp
*Fallek Products Co
Harwick Standard Chem Co
*Hercules Powder Co
*Heyden Newport Chem Corp
►*Monsanto Chem Co
*Neville Chem Co
*Pennsalt Chems Corp
►*Sumner Chem Co Div
*Universal Oil Products Co
►*Witco Chem Co

*Adhesive Products Corp
*Alco Oil & Chem Corp
*Arnold, Hoffman & Co
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Gallowhur Chem Corp
*Goodyear Tire & Rubber Co, Chem Div
*Koppers Co, Tar Products Div
*Hercules Powder Co
*Major Chem & Latex Corp
*Mona Industries
*Naugatuck Chem Div
*Process Chem Specialties
*Rubba, Inc
*Swift & Co

ANTIOXIDANTS, SOAP

*Catalin Corp of America
*Fallek Products Co
*Givaudan
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co

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Sindar Corp
*Mona Industries
*Process Chem Specialties

ANTIOZONANTS

►*Eastman Chem Products
Harwick Standard Chem Co
►*Monsanto Chem Co
►*Sun Oil Co
*Universal Oil Products Co
►*Witco Chem Co
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*Minnesota Mining & Mfg Co, Chem Div
*Naugatuck Chem Div
*General Latex & Chem Corp

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R W Greeff & Co
*Mallinckrodt Chem Works
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Robeco Chem
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*Roselle Labs
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*Armour Pharmaceutical Co
*Dow Chem Co
*Fine Organics
*Givaudan
*Goldschmidt Chem Corp
Intex Chem Corp
Merchants Chem Co
►*Monsanto Chem Co
Sindar Corp
*Trio Chem Works
*E I du Pont de Nemours Co, Grasselli Chem
*Fuld Bros
*Gallowhur Chem Corp
*Emkay Chem Co
*Norton Chem Works
*Essential Chem Co

ANTI-SKINNING AGENTS

*Advance Solvents & Chem Div
►*Allied Chem Corp, National Aniline Div
*Fallek Products Co
*Givaudan
*Hercules Powder Co
*Heyden Newport Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Neville Chem Co
*Nuodex Products Co
*Pennsalt Chems Corp
*Shepherd Chem Co
Sindar Corp
*Synthetic Chem
*Union Carbide Chems Co
*Universal Oil Products Co
*Ames Labs
*Raybo Chem Co
*California Ink Co
*Statikil, Inc
*Ferro Chem Corp
*Troy Chem Co
*Glidden Co

ANTI-STATIC AGENTS

*Antara Chem Div
*Argus Chem Corp
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
*Godfrey L Cabot
Chemical Affiliates
*Emery Industries
*Fine Organics
*Geigy Dyestuffs Div
►General Mills, Chem Div
Harwick Standard Chem Co
►*Jefferson Chem Co
*Kessler Chem Co
Merchants Chem Co
►*M Michel & Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*Patent Chems
*Refined Products Corp
*Synthetic Chem
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
►*Wilson-Martin (Div Wilson & Co)
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*Arnold, Hoffman & Co
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*Atlas Refinery Inc
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*Mona Industries
*Continental Chem Co
*National Aluminate Corp
*Davis-Young Soap Co
*Nyanza Color & Chem Co
*Dixo Co
*E I du Pont de Nemours & Co, Dyes & Chems Div
*Octagon Process, Inc
*Procter & Gamble Co
*Eastern Color & Chem Co
*Raybo Chem Co
*Emkay Chem Co
*Sandoz, Inc
*Geigy Industrial Chems Div
*Scher Bros
*Scholler Bros
*E F Houghton & Co
*Wallerstein Co
*Magnuson Products Corp
*Warwick Chem Co Div
*Wica Chem
*Merix Chem Co
*Wye Industries

APLITE

*International Minerals & Chem Corp, Consolidated Feldspar Dept

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*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

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*Gane's Chem Works
R W Greeff & Co
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AQUA FORTIS see Acid, Nitric

ARAGONITE see Calcium Carbonate

ARBUTIN (Arbutoside; Ursin)

*Aldrich Chem Co
R W Greeff & Co
*Abbott Labs

ARCTIC ESSENCE see Methyl Chloride

ARECOLINE (Arecaidine Methyl Ester; Methyl 1,2,5,6-Tetrahydro-1-Methylnicotinate)

R W Greeff & Co
*Sandoz Pharmaceutical Div

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►Baird Chem Industries, Inc
*Gane & Ingram
R W Greeff & Co
Henley & Co
►*Nopco Chem Co
*Sandoz Pharmaceutical Div

ARGENTUM see Silver

ARGILLA see Clays, China

ARGININE (Guanidine Aminovaleric Acid)

*Central Research Labs
*Fallek Products Co
Pfanstiehl Labs
*Winthrop Labs
*Nelson-Wells & Co
*Schwarz Labs
*Pfister Chem Works

ARGOLS

RITA Chem Corp

ARGON

*Bram Metal-Chem Co
*Southern Oxygen Co
*Linde Co

ARNATTO see Annatto

AROMATIC CHEMICALS see Deodorants, Perfume Bases, etc.

AROMATICS, CRUDE

*American Mineral Spirits Co
*S B Penick & Co

ARRHENAL see Disodium Methylarsenate

ARROWROOT

Meer Corp
*Morningstar-Paisley, Inc
S B Penick & Co

ARSENIC, BLACK

Harshaw Chem Co

ARSENIC DISULFIDE (Red Arsenic Sulfide; Red Arsenic; Realgar; Red Orpiment; Ruby Arsenic; Red Arsenic Glass)

City Chem Corp
Hummel Chem Co

ARSENIC IODIDE see Arsenic Triiodide

ARSENIC, METAL

*Belmont Smelting & Refining Works
International Selling Corp
Millmaster Chem Corp
George Uhe Co
*American Smelting & Refining Co
*Bram Metal-Chem Co

ARSENIC PENTOXIDE

►* J T Baker Chem Co

ARSENIC, RED see Arsenic Disulfide

ARSENIC TERSULFIDE see Arsenic Trisulfide

ARSENIC TRIBROMIDE

*City Chem Corp
*Schwarz Labs

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

ARSENIC TRICHLORIDE (Arsenious Chloride)
►*J T Baker Chem Co
►*Hooker Chem Corp

ARSENIC TRIIODIDE (Arsenic Iodide; Arsenious Iodide)
*City Chem Corp
Clearbrook Chem Co

ARSENIC TRIOXIDE (White Arsenic; Arsenious Acid; Arsenious Anhydride; Arsenious Oxide)
►*J T Baker Chem Co
►Barclay Chem Co
Indussa Corp
International Selling Corp
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
Revelli Chems, Inc
G Frederick Smith Chem Co
Irving M Sobin Chem Co
Thompson-Hayward Chem Co
George Uhe Co
*American Smelting & Refining Co
*California Spray-Chem Corp

ARSENIC TRISULFIDE (Arsenic Tersulfide; Arsenic Yellow; Arsenious Sulfide; Arsenous Sulfide; Orpiment)
Hummel Chem Co
*Rare Metal Products Co

ARSENIC, WHITE see Arsenic Trioxide

ARSENIC, YELLOW see Arsenic Trisulfide

ARSENIOUS ANHYDRIDE see Arsenic Trioxide

ARSENIOUS CHLORIDE see Arsenic Trichloride

ARSENIOUS IODIDE see Arsenic Triiodide

ARSENIOUS OXIDE see Arsenic Trioxide

ARSENIOUS SULFIDE see Arsenic Trisulfide

l-ARTERENOL BITARTRATE
Henley & Co
*Winthrop Labs

dl-ARTERENOL HYDROCHLORIDE
*Winthrop Labs

ARTIFICIAL MALACHITE see Copper Carbonate

ARYL ACETYLENE see Acetylenic Hydrocarbons

ARYL PHOSPHONATES
*Kolker Chem Corp
*Tracerlab Inc

ASBESTOS, ACID WASHED
►*J T Baker Chem Co
*Bio-Rad Labs

ASBESTOS, AMPHIBOLE (Tremolite, Actinolite, Amosite, Crocidolite, Anthophyllite)
*Johns-Manville

ASBESTOS, PLATINIZED
Chemical Commerce
*Metals & Controls Corp

ASBESTOS, SERPENTINE (Chrysotile)
*Johns-Manville
Kraft Chem Co
►*National Gypsum Co
Charles A Wagner Co
*American Smelting & Refining Co
*Western Chem & Mfg Co

ASPARAGINE (α-Aminosuccinamic Acid, Althein, Asparamide)
*Eastern Chem Corp
R W Greeff & Co
Pfanstiehl Labs
*R S A Corp
*Fairmount Chem Co
*Nelson-Wells & Co

ASPARAMIDE see Asparagine

ASPHALT (Bitumen, Judean Pitch, Jew's Pitch, Petroleum Asphalt, Mineral Pitch, Trinidad Pitch, Petrolene)
►*Allied Chem Corp, Barrett Div
*Esso Standard Oil Co
Industrial Raw Materials Corp
►*Monsanto Chem Co
Petroleum Specialties
►*Witco Chem Co
*Allied Asphalt & Mineral Corp
*American Lignite Products
*Anderson-Prichard Oil Corp
*Crowley Tar Products
*Mobil Oil Co
*Oil & Chem Products
*Trumbull Asphalt Co of Delaware
*G S Ziegler & Co

ASPHALT COMPOUNDS
►*Allied Chem Corp, Barrett Div
*American Oil & Supply Co
►*Borden Chem Co
Industrial Raw Materials Corp
*Johns-Manville
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co
►*Witco Chem Co
*Adhesive Products Corp
*Allied Asphalt & Mineral Corp
*American Lignite Products
*Anderson-Prichard Oil Corp
*Armstrong Paint & Varnish Works
*Bennett Inc
*Biwax Corp
*California Ink Co
*Coopers Creek Chem Corp
*Flintkote Co
*Benjamin Foster Co
*Mobil Oil Co
*Oil & Chem Products
*Rubba, Inc
*Trumbull Asphalt Co of Delaware
*G S Ziegler & Co
*Zophar Mills

ASPHALT EMULSIONS
*American Oil & Supply Co
►*Armour Industrial Chem Co
►*Borden Chem Co
*Chemical & Pigment Co
Industrial Raw Materials Co
►*Monsanto Chem Co
*L Sonneborn Sons
►*Witco Chem Co
*Anderson-Prichard Oil Corp
*Armstrong Paint & Varnish Works
*Bennett Inc
*Coopers Creek Chem Corp
*Crowley Tar Products Corp
*Flintkote Co
*Benjamin Foster Co
*Glidden Co
*Oil & Chem Products
*Trumbull Asphalt Co of Delaware
*Wye Industries
*Zophar Mills

ASPIRIN see Acid, Acetylsalicylic

ASSISTANTS see specific type of assistant, e.g., Bleaching Assistants

ATROPINE (dl-Hyoscyamine; dl-Daturine)
*Aldrich Chem Co
*Gane & Ingram
Chas L Huisking & Co
*S B Penick & Co
Roussel Corp

ATROPINE METHYLNITRATE
European Chem Co
*Gane & Ingram
*S B Penick & Co
George Uhe Co

ATROPINE SULFATE
European Chem Co
*Gane & Ingram
Henley & Co
Chas L Huisking & Co
*Mallinckrodt Chem Works
*S B Penick & Co
Roussel Corp
George Uhe Co
*Sandoz Pharmaceutical Div

AURAMINE
*American Cyanamid Co, Organic Chems Div

AURIC CHEMICALS see corresponding Gold Chemicals

AURORA YELLOW see Cadmium Sulfide

AUTOMOTIVE SPECIALTIES
►*Commercial Solvents Corp
*Dow Chem Co
*Esso Standard Oil Co
►*Witco Chem Co
*Aetna Color & Chem Co
*Allied Industrial Products Co
*Ampion Corp
*Atlas Refinery Inc
*Brokston Chem Co
*Chemical Coatings & Engrg Co
*Clarkson Labs Inc
*Oakite Products
*Penetone Co
*Seaboard Chem
*E W Smith Chem Co
*Uncle Sam Chem Co
*United States Petrochem Co
*Wye Industries

8-AZAGUANINE
*K & K Labs

8-AZAXANTHINE
*K & K Labs

AZOBENZENE
*Eastern Chem Corp
*K & K Labs

AZOPHOR RED see p-Nitroaniline, Red

AZOXYBENZENE
*Carwin Co

AZURE BLUE see Cobalt Blue

AZURITE
*McGean Chem Co

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- ►*Commercial Solvents Corp
- European Chem Co
- Henley & Co
- Industrial Chem & Dye Co
- McKesson & Robbins, Inc, Chem Dept
- ►*Merck Chem Div
- NYQ Chem Div, S B Penick & Co
- *Chas Pfizer & Co
- George Uhe Co
- *Grain Processing Corp
- *Pabst Brewing Co
- *Roselle Labs

BACTERICIDES
- ►*Armour Industrial Chem Co
- *Armour Pharmaceutical Co
- ►*Commercial Solvents Corp
- *Dow Chem Co
- *Fine Organics
- *Givaudan
- *Hercules Powder Co
- *Heyden Newport Chem Corp
- Intex Chem Corp
- George Mann & Co
- McKesson & Robbins, Inc, Chem Dept
- Merchants Chem Co
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- *Pennsalt Chems Corp
- *Refined Products Corp
- ►*Rohm & Haas Co
- Sindar Corp
- *Trio Chem Works
- ►*Wilson-Martin (Div Wilson & Co)
- ►*Witco Chem Co
- ►*Wyandotte Chem Corp
- *Ampion Corp
- *F W Berk & Co
- *Chemo Puro Mfg Corp
- *Diversey Corp
- *E I du Pont de Nemours & Co, Dyes & Chem Div
- *Essential Chem Co
- *Fuld Bros
- *Gallowhur Chem Corp
- *National Aluminate Corp
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- *Oakite Products
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- *E W Smith Chem Co
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BACTERIOSTATS
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- *Chemo Puro Mfg Corp
- *Fuld Bros
- *Geigy Industrial Chems Div
- *Gallowhur Chem Corp
- *Hart Products Corp
- *Norton Chem Works
- *Scholler Bros
- *Troy Chem Co
- *Warwick Chem Co Div

BAKER'S SUGAR see Corn Sugar

BAKING SODA see Sodium Bicarbonate

BALSAM, CANADA (Balsam of Fir, Canada Turpentine)
- *Fisher Scientific Co
- *Matheson Coleman & Bell
- McKesson & Robbins, Inc, Chem Dept
- Meer Corp
- S B Penick & Co

BALSAM CAPIVI see Balsam, Copaiba

BALSAM, COPAIBA (Jesuit's Balsam, Balsam Capivi, Copaiba Resin)
- Florasynth Labs
- George Lueders & Co
- McKesson & Robbins, Inc, Chem Dept
- Meer Corp
- S B Penick & Co
- *Schimmel & Co

BALSAM OF FIR see Balsam, Canada

BALSAM, JESUIT'S see Balsam, Copaiba

BALSAM, PERUVIAN (Indian Balsam, China Oil, Black Balsam)
- Florasynth Labs
- George Lueders & Co
- McKesson & Robbins, Inc, Chem Dept
- Meer Corp
- *Schimmel & Co

BANANA OIL see Amyl Acetate

BARAS CAMPHOR see Borneol

BARBERRY BARK
- Meer Corp
- *Prentiss Drug & Chem Co

BARBITAL
- ►American-British Chem Supplies
- Gane & Ingram
- *Gane's Chem Works
- R W Greeff & Co
- Mallinckrodt Chem Works
- NYQ Chem Div, S B Penick & Co
- *Eli Lilly & Co
- *Roselle Labs

BARBITAL SODIUM
- ►American-British Chem Supplies
- Gane & Ingram
- *Gane's Chem Works
- R W Greeff & Co
- Mallinckrodt Chem Works
- *NYQ Chem Div, S B Penick & Co
- *Roselle Labs

BARBITURATES
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- ►*Benzol Products Co
- *Gane's Chem Works
- R W Greeff & Co

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Barbital Calcium	Phenobarbital Calcium
Barbital Sodium, N.F. X	Phenobarbital Sodium, U.S.P. XV
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►See catalog advertisement (Advertisers Index)

Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
George Uhe Co

*Eli Lilly & Co *Roselle Labs

BARITE see Barium Sulfate

BARIUM ACETATE

►*J T Baker Chem Co
*Mallinckrodt Chem Works

*Barium & Chems

BARIUM ALUMINATE

*Barium & Chems

BARIUM BINOXIDE see Barium Peroxide

BARIUM BENZOATE

*City Chem Corp
*Eastern Chem Corp

BARIUM BLACK ASH

*Chemical & Pigment Co
*Chemical Products Corp (Ga)
*Chicago Copper & Chem Co
►*Westvaco Mineral Products Div

*Barium & Chems *Glidden Co

BARIUM BROMATE

*City Chem Corp

*Barium & Chems

BARIUM BROMIDE

*Dow Chem Co

*Barium & Chems

BARIUM CARBONATE (Witherite)

►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
*Chemical Mfg Co
*Chemical Products Corp (Ga)
(Continued)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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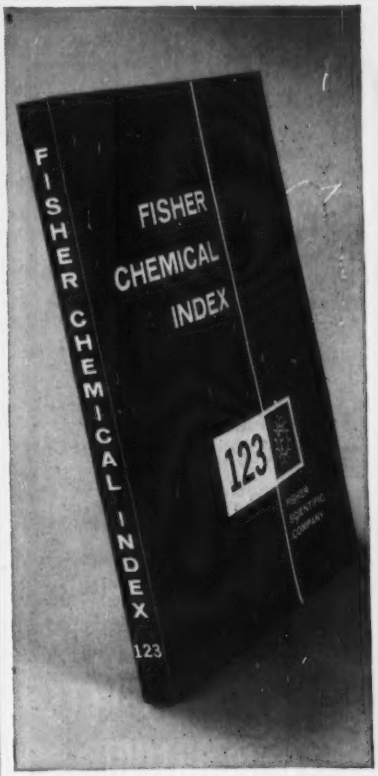
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*Barium & Chems *E I du Pont de Nemours & Co, Grasselli Chem
*Barium Reduction Corp

BARIUM CHLORATE

Croton Chem Corp
Hummel Chem Co
International Selling Corp
Tar Residuals

*Barium & Chems

BARIUM CHLORIDE

►*J T Baker Chem Co
►Barclay Chem Co
*Chemical Mfg Co
*Chemical Products Corp (Ga)
*Columbia-Southern Chem Corp
Faesy & Besthoff
*Fisher Scientific Co
Harshaw Chem Co
J F Henry Chem Co
Hummel Chem Co
Independent Chem Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Prior Chem Corp
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Tar Residuals
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Hummel Chem Co
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*Barium & Chems *Fiber Chem Corp

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BARIUM COBALTICYANIDE

*City Chem Corp
*Var-Lac-Oid Chem Co

BARIUM CYANIDE

*City Chem Corp

BARIUM DIOXIDE see Barium Peroxide

BARIUM DIPHENYLAMINE SULFONATE

*Eastern Chem Corp
*Eastman Organic Chems
*G Frederick Smith Chem Co

*Andor Labs

BARIUM ETHYL SULFATE

*City Chem Corp

BARIUM FLUORIDE

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►*J T Baker Chem Co

*Barium & Chems *Barium Reduction Corp

BARIUM GLUCONATE

*City Chem Corp

BARIUM GLYCOLATE

*City Chem Corp

BARIUM HYDRATE see Barium Hydroxide

BARIUM HYDROXIDE (Barium Octahydrate, Caustic Baryta, Baria Hydride)

►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Berkshire Chems Inc
Harshaw Chem Co
Hummel Chem Co
Independent Chem Corp
International Selling Corp
*Mallinckrodt Chem Works
McGean Chem Co
Millmaster Chem Corp
E M Sergeant Pulp & Chem Co
*Sherwin-Williams Co
►*Westvaco Mineral Products Div

*Barium & Chems *Barium Reduction Corp

BARIUM HYDROXIDE, MONOHYDRATE

►*J T Baker Chem Co
Hummel Chem Co
*Sherwin-Williams Co

*Barium & Chems

BARIUM HYDROXIDE, PENTAHYDRATE

►Baird Chem Industries, Inc
Harshaw Chem Co
Hummel Chem Co
Mercer Chem Corp
Millmaster Chem Corp
►*Westvaco Mineral Products Div

*Barium & Chems

BARIUM HYPOSULFITE see Barium Thiosulfate

BARIUM IODATE

*G Frederick Smith Chem Co

*Andor Labs

BARIUM IODIDE

*Gallard-Schlesinger Chem Mfg Corp

*Andor Labs *Edcan Labs
*Barium & Chems

BARIUM LACTATE

*City Chem Corp

*Barium & Chems

BARIUM LANOLATE

*Fanning Chem Corp
Hummel Chem Co
RITA Chem Corp

*Barium & Chems *N I Malmstrom & Co

BARIUM MANGANATE

*City Chem Corp
*Shepherd Chem Co

BARIUM, METAL

City Chem Corp
Harshaw Chem Co
Hummel Chem Co
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co

BARIUM MONOSULFIDE see Barium Sulfide

BARIUM MONOXIDE see Barium Oxide

BARIUM NAPHTHENATE

*Shepherd Chem Co

*Ferro Chem Corp *Troy Chem Co
*Fred'k A Stresen-Reuter

BARIUM NITRATE (Nitrobarite)

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H J Baker & Bro
►*J T Baker Chem Co
►Barclay Chem Co
Croton Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

*Davies Nitrate Co
Harshaw Chem Co
*Hummel Chem Co
*Mallinckrodt Chem Works
Irving M Sobin Chem Co
Tar Residuals
►*Westvaco Mineral Products Div

*Barium & Chems

BARIUM NITRITE
*City Chem Corp
Harshaw Chem Co
Tar Residuals

*Barium & Chems *Edcan Labs

BARIUM OCTAHYDRATE see Barium Hydroxide

BARIUM OCTOATE
*Advance Solvents & Chem Div
*Argus Chem Corp
*Nuodex Products Co
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*Ferro Chem Corp *Troy Chem Co
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►Berkshire Chems Inc
*Columbia-Southern Chem Corp
Hummel Chem Co
Millmaster Chem Corp
G Frederick Smith Chem Co
►*Westvaco Mineral Products Div

*Barium & Chems *Barium Reduction Corp

BARIUM PENTAHYDRATE see Barium Hydroxide, Pentahydrate

BARIUM PERCHLORATE
*G Frederick Smith Chem Co

*Barium & Chems

BARIUM PERIODATE
*City Chem Corp
*G Frederick Smith Chem Co

*Andor Labs

BARIUM PERMANGANATE
*Carus Chem Co

BARIUM PEROXIDE (Barium Binoxide, Barium Dioxide)
►*J T Baker Chem Co
Harshaw Chem Co
*Hummel Chem Co
*Mallinckrodt Chem Works
►*Westvaco Mineral Products Div

*Barium & Chems *Barium Reduction Corp

BARIUM m-PHOSPHATE

*Barium & Chems

BARIUM PHOSPHATE, DIBASIC

*Barium & Chems

BARIUM PROTOXIDE see Barium Oxide

BARIUM RICINOLEATE
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*Baker Castor Oil Co
*Nuodex Products Co

*Ferro Chem Corp *Troy Chem Co
*Leffingwell Chem Co

BARIUM SELENITE
*City Chem Corp
*Var-Lac-Oid Chem Co

BARIUM SILICATE
*City Chem Corp
►*Westvaco Mineral Products Div

*Barium & Chems

BARIUM SILICOFLUORIDE (Barium Fluosilicate)

*Barium & Chems

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►*Titanium Alloy Mfg Div

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*Harshaw Chem Co
Harwick Standard Chem Co
*Mathe Chem Co
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*M W Parsons-Plymouth
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►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Berkshire Chems Inc
*Chemical & Pigment Co
Fisher Scientific Co
Harshaw Chem Co
Howe & French Inc
Hummel Chem Co
*International Minerals & Chem Corp, Eastern Clay Products Dept
*Mallinckrodt Chem Works
McGean Chem Co
*National Lead Co
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Tar Residuals
Charles A Wagner Co
Whittaker, Clark & Daniels
*C K Williams & Co

*Baroid Div, National Lead Co *Industrial Minerals & Chem Co
*Barium & Chems *Thompson, Weinman & Co
*Industrial Minerals Inc *Western Chem & Mfg Co

BARIUM SULFATE, PRECIPITATED see Blanc Fixe

BARIUM SULFAMATE
*City Chem Corp

BARIUM SULFIDE (Barium Monosulfide)
*Chicago Copper & Chem Co
Hummel Chem Co
*Mallinckrodt Chem Works

*Barium & Chems *Glidden Co

BARIUM SULFIDE, CRUDE see Barium Black Ash

BARIUM SULFITE
*City Chem Corp

*Barium & Chems

BARIUM SULFONATE
►*Bryton Chem Co
►*Sinclair Petrochems, Inc
*L Sonneborn Sons

*Borne Chem Co *Pennsylvania Refining Co

BARIUM THIOCYANATE
*City Chem Corp

*Barium & Chems

BARIUM THIOSULFATE (Barium Hyposulfite)
*City Chem Corp
Cearbrook Chem Co

*Barium & Chems

BARIUM TITANATE
►*Titanium Alloy Mfg Div

*Barium & Chems

BARIUM TUNGSTATE
Indussa Corp
*Matheson Coleman & Bell

*North Metal & Chem Co

BARIUM ZIRCONATE
►*Titanium Alloy Mfg Div

BARIUM ZIRCONIUM SILICATE
Harshaw Chem Co
►*Titanium Alloy Mfg Div

BARYTA YELLOW see Barium Chromate

BARYTES see Barium Sulfate

BARYTES, SYNTHETIC see Blanc Fixe

BASIC CARBONATE see Lead White

BASIC MOLYBDATE see Ammonium Molybdate

BASTARD SAFFRON see Saffron, American

BATES, TANNING
*American Cyanamid Co, Organic Chem Div

*Los Angeles Chem Co *Wallerstein Co
*Takamine Lab

BATTERY MANGANESE see Manganese Dioxide

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BARIUM PENTAHYDRATE
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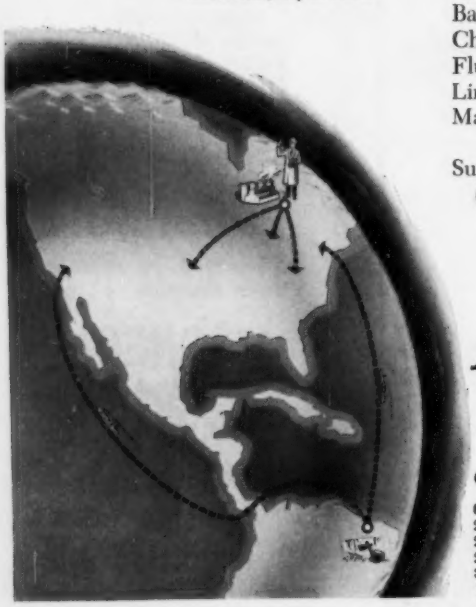
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*Consolidated Chem Industries
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*International Minerals & Chem Corp, Eastern Clay Products Dept
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Tar Residuals
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*Archer-Daniels-Midland Co
*Baroid Div, National Lead Co
*Commercial Minerals Co
*Western Chem & Mfg Co
*Wyo-Ben Products Co

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►*Borden Chem Co
►*Trubek Labs
*Beacon Chem Industries

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►*Hooker Chem Corp
*Tennessee Products & Chem Corp

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*Givaudan
R W Greeff & Co
*Heyden Newport Chem Corp
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*Tennessee Products & Chem Corp
*Felton Chem Co

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*Fallek Products Co
*Fine Organics
R W Greeff & Co
Intex Chem Corp
►*Onyx Oil & Chem Co
*Barlow Chem Corp
*Gallowhur Chem Corp
*Process Chem Co
*Sterwin Chems, Inc

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*Andor Labs

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*E I du Pont de Nemours & Co, Dyes & Chem Div *Chemo Puro Mfg Corp

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*Eastman Organic Chems
*K & K Labs

*Edcan Labs

2,3-BENZANTHRACENE
*Aldrich Chem Co
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*Edcan Labs

1-BENZAZINE see Quinoline

BENZENE see Benzol

BENZENE CARBONAL see Benzaldehyde

BENZENE CHLORIDE see Chlorobenzene

BENZENE DIAZONIUM HEXAFLUORO-PHOSPHATE
*Ozark Mahoning Co

1,2-BENZENE DICARBONYL CHLORIDE see Phthaloyl Chloride

1,2-BENZENEDIOL see Pyrocatechol

1,3-BENZENEDIOL see Resorcinol

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*Diamond Alkali Co
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►*Hooker Chem Corp
*Olin Mathieson Chem Corp, Industrial Chems
*Pennsalt Chems Corp
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Thompson-Hayward Chem Co
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γ-BENZENE HEXACHLORIDE see Lindane

BENZENE HEXAHYDRIDE see Cyclohexane

BENZENE METHYLAL see Benzaldehyde

BENZENE PHOSPHORUS DICHLORIDE
*Victor Chem Works

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BENZENE SULFONAMIDE
*Nease Chem Co
Riches-Nelson, Inc

BENZENE SULFONYL CHLORIDE (Benzene Sulfonic Chloride)
*Diamond Alkali Co
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BENZENE TETRAHYDRIDE see Cyclohexene

1,2,4-BENZENETRIOL (Hydroxyhydroquinone)
*K & K Labs

1,3,5-BENZENETRIOL see Phloroglucinol

BENZENONE see Quinone

BENZHYDROL
►*Trubek Labs

BENZHYDRYLAMINE
R W Greeff & Co
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BENZIDAM see Aniline

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Hostachem Corp
*K & K Labs
*Matheson Coleman & Bell
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*Hartman-Leddon Co

BENZIDINE HYDROCHLORIDE
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*Carwin Co *Hartman-Leddon Co

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*Fallek Products Co

*Carwin Co *Sandoz, Inc

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Filo Color & Chem Corp
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Sherwin-Williams Co

*Atlantic Chem Corp
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Fredk H Levey Co
*Max Marx Color & Chem Co
*New York Color & Chem Co
*Sandoz, Inc
*Western Dry Color Co

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*Heyden Newport Chem Corp

*Fairmount Chem Co *B L Lemke & Co

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*Eastern Chem Corp
*Eastman Organic Chems
*Fairmount Chem Co United Fuel Gas Co

BENZINE see Petroleum Benzine

BENZINOFORM see Carbon Tetrachloride

BENZOCAINE see Ethyl p-Aminobenzoate

BENZOCARBONYL CHLORIDE see Benzoyl Chloride

2,3-BENZOFLUORENE
*K & K Labs

BENZOFURAN see Coumarone

BENZOFURAN RESINS see Resins, Coumarone-Indene

BENZOIC ALDEHYDE see Benzaldehyde

BENZOIC ANHYDRIDE
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*K & K Labs

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*Heyden Newport Chem Corp
Lucidol Div, Wallace & Tiernan Inc
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*Fairmount Chem Co *B L Lemke & Co
*Prentiss Drug & Chem Co *Schimmel & Co

BENZOIN RESIN see Gum, Benzoin

α-BENZOINOXIME (Cupron)
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*Eastern Chem Corp

*Andor Labs *Fairmount Chem Co

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►Baird Chem Industries, Inc
►*J T Baker Chem Co
Bergstrom Trading Co
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*Diamond Alkali Co
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►Jones Chems, Inc
*Mallinckrodt Chem Works
►Modern Solvents & Chems Corp
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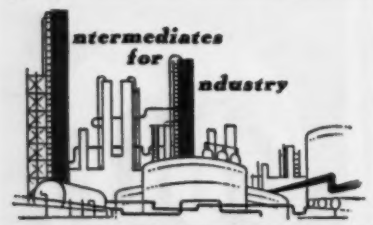
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*Colorado Fuel & Iron Corp
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*Delhi-Taylor Oil Co, Chem Div
*Donner-Hanna Coke Corp
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*Inland Steel Co
*Koppers Co, Tar Products Div
*Milwaukee Solvay Coke Co
*Oil & Chem Products
*Shell Oil Co
*Tennessee Products & Chem Corp
*Velsicol Chem Corp
*Vickers Petroleum Co

BENZOLINE see Petroleum Benzine

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*Eastern Chem Corp
*Fine Organics
*Millmaster Chem Corp
*New York Quinine & Chem Works

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*Tennessee Products & Chem Corp

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Florasynth Labs
*Givaudan
R W Greeff & Co
►*Kay-Fries Chems
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►*Trubek Labs
*Gamma Chem Corp

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BENZOPYRROLE see Indole

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►*Koppers Co, Chems & Dyestuffs Div
►*Maumee Chem Co
*Morton Chem Co
Riches-Nelson, Inc
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►*Hooker Chem Corp
*Tennessee Products & Chem Corp

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*Halocarbon Products Corp

BENZOYL CHLORIDE (Benzocarbonyl Chloride

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*Heyden Newport Chem Corp
►*Hooker Chem Corp
*Mallinckrodt Chem Works
*Tennessee Products & Chem Corp

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*Nuodex Products Co
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*US Peroxygen Corp

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*Roberts Chems, Inc

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R W Greeff & Co
►*Sumner Chem Co Div
*Ames Labs
*Naugatuck Chem Div

BENZYLANILINE

►*Sumner Chem Co Div

BENZYLBENZENE see Diphenyl Methane

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*Givaudan
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
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S B Penick & Co
*Schimmel & Co
*Shulton, Inc
*Tennessee Products & Chem Corp

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*Givaudan
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*Felton Chem Co
*Polak's Frutal Works
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►*Benzol Products Co
►*Trubek Labs
*Andor Labs

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BENZYL DIMETHYLAMINE
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►*Maumee Chem Co
Riches-Nelson, Inc
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*Barlow Chem Corp
*Ozark Mahoning Co

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*Eastman Organic Chems
*K & K Labs
*Mathe Chem Co

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BENZYLIDENE CHLORIDE see Benzal Chloride

BENZYL ISOPROPYLAMINE
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*Eastern Chem Corp
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*K & K Labs
*Kaplop Labs

BENZYLMETHYLAMINE
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BENZYL METHYL ETHANOLAMINE
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*Anderson Chem Co

BENZYLTRIMETHYLAMMONIUM METHOXIDE
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Indussa Corp
Var-Lac-Oid Chem Co

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BERYLLIUM CHLORIDE
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*Brush Beryllium Co
*Fairmount Chem Co

BERYLLIUM PHOSPHATE
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Chemical Commerce
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*Fairmount Chem Co

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*International Minerals & Chem Corp, Amino Products Div
*Chemo Puro Mfg Corp
*Meta Chem Corp
*Roselle Labs
*Simpson Labs

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*Fine Organics
R W Greeff & Co
*Hoffman Labs
*International Minerals & Chem Corp, Amino Products Div
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*Chemo Puro Mfg Corp
*B L Lemke & Co
*Meta Chem Corp
*Roselle Labs
*Simpson Labs

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R W Greeff & Co
*Hoffman Labs
*Chemo Puro Mfg Corp
*Polychemical Labs
*Roselle Labs

BETAINE PHOSPHATE
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*Chemo Puro Mfg Corp
*Roselle Labs

BIACETYL see Diacetyl

BIANILINE see Benzidine

BICYCLODECANE see Decahydronaphthalene

BIEBERITE see Cobalt Sulfate

BILIFULVIN see Bilirubin

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*K & K Labs
*Pfanstiehl Labs
*Andor Labs

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*Burtonite Co
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*Perkins Glue Co
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*Burtonite Co
►*Colton Chem Co
Croda, Inc
*Degen Oil & Chem Co
Merchants Chem Co
National Casein Co
►*Rohm & Haas Co
*Adhesive Products Corp
*American Phospors Corp
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Glidden Co
*Goodyear Tire & Rubber Co, Chem Div
*National Starch & Chem Corp

BINDERS, ROCKWOOL
►*Borden Chem Co
*Burtonite Co
*Carlisle Chem Works
*Catalin Corp of America
►*Reichhold Chems, Inc
*American-Marietta Co
*National Polychems
*National Starch & Chem Corp

BINDERS, SHELL MOLDING
►*Borden Chem Co
*Burtonite Co
*Catalin Corp of America
►*Monsanto Chem Co
►*Philadelphia Quartz Co
►*Reichhold Chems, Inc
*Adhesive Products Corp
*American-Marietta Co
*National Polychems
*Consolidated Water Power & Paper Co

BINDERS, TANNING
*Burtonite Co
*Catalin Corp of America
►*Nopco Chem Co
*Jacques Wolf & Co
*B B Chem Co
*Borne Chem Co

BINDERS, TEXTILE
*American Cyanamid Co, Organic Chem Div
►*Borden Chem Co
*Burtonite Co
*Catalin Corp of America
►*Colton Chem Corp
*Concord Chem Co
*Finetex Inc
*Geigy Dyestuffs Div
Merchants Chem Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Rohm & Haas Co
*Stein, Hall & Co
*Union Carbide Chems Co
*Jacques Wolf & Co
*Adhesive Products Corp
*Alco Oil & Chem Corp
*B B Chem Co
*Borne Chem Co
*Celanese Corp of America, Plastics Div
*Eastern Color & Chem Co
*Emkay Chem Co
*E F Houghton & Co
*Joy Chem Co
*Harry Miller Corp
*Mona Industries
*National Starch & Chem
*Naugatuck Chem Div
*Nyanza Color & Chem Co
*Polyvinyl Chems
*Rubba, Inc
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Titan Chem Products
*UBS Chem Corp
*Warwick Chem Co Div
*Wica Chem

BIOCHEMICAL REAGENTS
►*Borden Chem Co
*Eastern Chem Corp
*K & K Labs
►*Merck & Co
*Pfanstiehl Labs
Wallach-Gracer Export Corp
*Amber Labs
*Fermco Labs
*Hartman-Leddon Co
*Kaplop Labs
*Schwarz Labs

BIOTIN
NYQ Chem Div, S B Penick & Co

o,o'-BIPHENOL
*K & K Labs

p, p'-BIPHENOL
*Dow Chem Co

BIPHENYL see Diphenyl

BIPYRIDINE see Dipyridyl

BIS(2-CHLOROETHYL) VINYL PHOSPHONATE
*Aldrich Chem Co
►*Monsanto Chem Co

BISHYDROXYCOUMARIN (Dicumarol)
►Aceto Chem Co
*Fine Organics
R W Greeff & Co
*Abbott Labs

BISMUTH CHLORIDE (Bismuth Trichloride, Bismuthous Chloride)
►*J T Baker Chem Co
*Var-Lac-Old Chem Co

BISMUTH CHLORIDE, BASIC see Bismuth Oxychloride

BISMUTH CITRATE
*NYQ Chem Div, S B Penick & Co

BISMUTH FLUORIDE
►*Allied Chem Corp, General Chem Div
*Var-Lac-Old Chem Co

BISMUTH GLYCOLYL ARSANILATE
*Fallek Products Co
*Polychemical Labs

BISMUTH HYDRATE see Bismuth Hydroxide

BISMUTH HYDROXIDE (Bismuth Hy-
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

BISMUTH IODIDE
*Gallard-Schlesinger Chem Mfg Corp
*R S A Corp
*Var-Lac-Oid Chem Co

BISMUTH LACTATE
*City Chem Corp

BISMUTH, METAL
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
*Mallinckrodt Chem Works
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*American Smelting & Refining Co
*Bram Metal-Chem Co
*Engelhard Industries

BISMUTH NITRATE (Bismuth Trinitrate, Bismuth Ternitrate, Carnot's Reagent)
►*J T Baker Chem Co
*Fallek Products Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Var-Lac-Oid Chem Co

*Polychemical Labs

BISMUTH NITRATE, BASIC see Bismuth Subnitrate

BISMUTHOUS OXIDE see Bismuth Trioxide

BISMUTH OXYCHLORIDE (Bismuthyl Chloride, Bismuth Subchloride, Pearl White, Cosmetic Bismuth, Basic Bismuth Chloride, Blanc d'Espagne, Blanc de Perle)
►*J T Baker Chem Co
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Var-Lac-Oid Chem Co

BISMUTH OXYIODIDE (Bismuth Subiodide)
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co

BISMUTH PHOSPHATE
*City Chem Corp

BISMUTH SALICYLATE
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Var-Lac-Oid Chem Co

BISMUTH STANNATE
►*Metal & Thermit Corp

BISMUTH SUBACETATE (Basic Bismuth Acetate, Bismuthyl Acetate)
*City Chem Corp

BISMUTH SUBCARBONATE (Bismuthyl Carbonate)
►*J T Baker Chem Co
*Fallek Products Co
F J Henry Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Var-Lac-Oid Chem Co

BISMUTH SUBCHLORIDE see Bismuth Oxychloride

BISMUTH SUBGALLATE
►*J T Baker Chem Co
*Fallek Products Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co

BISMUTH SUBNITRATE (Bismuthyl Nitrate, Bismuth White, Flake White, Spanish White, Magistery of Bismuth, Basic Bismuth Nitrate)
►*J T Baker Chem Co
*Fallek Products Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Var-Lac-Oid Chem Co

BISMUTH SUBSALICYLATE (Bismuth Oxysalicylate)
►*J T Baker Chem Co
*Fallek Products Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co

BISMUTH SULFATE
*City Chem Corp
*Var-Lac-Oid Chem Co

BISMUTH TARTRATE
*City Chem Corp

BISMUTH TERNITRATE see Bismuth Nitrate

BISMUTH TITANATE
►*Titanium Alloy Mfg Div

BISMUTH TRIBROMOPHENATE (Tribromophenol-Bismuth)
*NYQ Chem Div, S B Penick & Co

*Polychemical Labs

BISMUTH TRICHLORIDE see Bismuth Chloride

See company directory for addresses
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►*J T Baker Chem Co
*NYQ Chem Div, S B Penick & Co
*Var-Lac-Oid Chem Co

BISMUTH TUNGSTATE
*City Chem Corp
*Var-Lac-Oid Chem Co

BISMUTH WHITE see Bismuth Subnitrate

BISMUTH YELLOW see Bismuth Trioxide

BISMUTHYL CARBONATE see Bismuth Subcarbonate

BISMUTHYL CHLORIDE see Bismuth Oxychloride

BISMUTHYL NITRATE see Bismuth Subnitrate

BISMUTH ZIRCONATE
►*Titanium Alloy Mfg Div

BISPHENOL A see p,p'-Isopropylidenediphenyl

1,4-BIS-2-(5-PHENYLOXAZOLYL) BENZENE (POPOP, Phenyl-Oxazolyl-Phenyl-Oxazolyl-Phenyl)
*K & K Labs

*Pilot Chems, Inc

BIS(TRICHLOROSILYL)ETHANE
*Peninsular ChemResearch

BITHIONOL (Bis [2-Hydroxy-3,5-Dichlorophenyl] Sulfide)
*Catalin Corp of America
*Fallek Products Co
R W Greeff & Co
George Uhe Co

*Sterwin Chems

3,3'-BITOLYLENE-4,4'-DIISOCYANATE (TODI)
►*Allied Chem Corp, National Aniline Div

*Carwin Co

BITUMEN see Asphalt

BIURET (Allophanamide; Carbamylurea)
*Aldrich Chem Co
►*Allied Chem Corp, Nitrogen Div
K & K Labs
*Sherwin-Williams Co

BIVINYL see Butadiene

BIXIN see Annatto

BLACK BALSAM see Balsam, Peruvian

BLACK OXIDE OF MANGANESE see Manganese Dioxide

BLACK ROUGE see Iron Oxide, Black

BLANC D'ESPAGNE see Bismuth Oxychloride

BLANC DE PERLE see Bismuth Oxychloride

BLANC FIXE (Precipitated Barium Sulfate, Synthetic Barytes, Synthetic Heavy Spar, Permanent White, Terra Ponderosa)—see also Barium Sulfate
H J Baker & Bro
Faesy & Besthoff
Filo Color & Chem Corp
Hummel Chem Co
McKesson & Robbins, Inc, Chem Dept
E M Sergeant Pulp & Chem Co
Smith Chem & Color Co
Charles A Wagner Co
►*Westvaco Mineral Products Div
Whittaker, Clark & Daniels

*Barium & Chems

BLEACHING ASSISTANTS
►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Solvay Process Div
*Antara Chem Div
*Atlas Powder Co, Chems Div
*Diamond Alkali Co
*Dow Chem Co
*Geigy Dyestuffs Div
*Heyden Newport Chem Corp
►*Hooker Chem Corp
Intra Continental Export Co
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
►*M Michel & Co
►*Minerals & Chem Corp of America
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
*Pennsalt Chems Corp
►*Philadelphia Quartz Co
*Rumford Chem Works
►*Tennessee Corp
*Union Carbide Chems Co
►*U S Industrial Chems Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Adell Chem Co
*Atlas Refinery Inc
*Britex Corp
*Bryant Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Fabric Chem Co
*Legrand Chem Corp
*Metro-Atlantic, Inc
*Mona Industries
*Nyanza Color & Chem Co
*Scher Bros
*Scholler Bros
*E W Smith Chem Co
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem

BLEACHING POWDER see Chlorinated Lime

BLOOD, DRIED
H J Baker & Bro
*Standard Feed & Fertilizer
*United Chem & Organic Products

BLOWING AGENTS, SPONGE RUBBER
►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Solvay Process Div
*Catalin Corp of America
*E I du Pont de Nemours & Co, Explosives Dept
*C P Hall Co
Harwick Standard Chem Co
McKesson & Robbins, Inc, Chem Dept
*Sherwin-Williams Co
►*Wyandotte Chem Corp

*Arnold, Hoffman & Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Fermco Lab
*National Polychems
*Naugatuck Chem Div

BLUE COPPERAS see Copper Sulfate

BLUE VITRIOL see Copper Sulfate

BOILER COMPOUNDS
*Dow Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
►*Monsanto Chem Co
►*Stauffer Chem Co
*Union Carbide Chems Co
►*Westvaco Mineral Products Div

*Aetna Color & Chem Co
*Ampion Corp
*Arol Chem Products
*Bell-Ray Chem Corp
*Clarkson Labs
*Crown Zellerbach Corp
*Dacar Chem Products
*Elgin Softener Corp
*Freedwaters, Inc
*Hagan Chem & Controls
*L Carlton Mertz Co
*Mona Industries
*National Aluminate Corp
*Oakite Products
*Permutit Co
*Rayonier, Inc
*Riverside Chem Co
*S & S Soap Co
*E W Smith Chem Co
*Uncle Sam Chem Co
*Western Chem Co
*Wye Industries

BOIL-OFF ASSISTANTS, TEXTILE
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chems Div
*Antara Chem Div
*Concord Chem Co
*Dow Chem Co
*Finetex Inc
*Geigy Dyestuffs Div
►*Koppers Co, Chems & Dyestuffs Div
►M Michel & Co

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►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
Rumford Chem Works
*L Sonneborn Sons
*Union Carbide Chems Co
*Jacques Wolf & Co

*Arnold, Hoffman & Co
*Arol Chem Products
*Atlas Refinery Inc
*Borne Chem Co
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Colgate-Palmolive Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem Co
*Emkay Chem Co
*Fabric Chem Co
*Hagan Chem & Controls
*E F Houghton & Co
*Joy Chem Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem
*Pfister Chem Works
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem

BONE ASH
*American Oil & Supply Co
H J Baker & Bro
Gallard-Schlesinger Chem Mfg Corp
Harshaw Chem Co
►*Monsanto Chem Co
*United Chem & Organic Products

BONE BLACK (Animal Charcoal)
►*American Agricultural Chem Co
H J Baker & Bro
►Barclay Chem Co
*Columbian Carbon Co
Harshaw Chem Co
Riches-Nelson, Inc
*Smith Chem & Color Co
►*Stauffer Chem Co
*Consolidated Chem Industries
*Landers-Segal Color Co

BONE FLOUR, EDIBLE
Gallard-Schlesinger Chem Mfg Corp
►*Stauffer Chem Co
*Consolidated Chem Industries
*United Chem & Organic Products

BONE, GROUND & MEAL
H J Baker & Bro
Faesy & Besthoff
►*Stauffer Chem Co
*Consolidated Chem Industries

BONE PHOSPHATE see Calcium Phosphate, Tribasic

BORATE COMPOUNDS
►*Stauffer Chem Co
*United States Borax & Chem Corp
*E I du Pont de Nemours & Co, Electrochem Dept
*Anderson Chem Co
*Norton Chem Works

BORAX—see also Sodium Borate
►*Allied Chem Corp, General Chem Div
►American-British Chem Supplies
American Oil & Supply Co
►*American Potash & Chem Corp
►*J T Baker Chem Co
Barada & Page
►Barclay Chem Co
Bergstrom Trading Co
Browning Chem Corp
Chapman Chem Co
Fallek Products Co
Frank G Fanning Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
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Philip A Hunt Co
►Jones Chems, Inc
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Kraft Chem Co
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McKesson & Robbins, Inc, Chem Dept
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►Peerless Oil & Chem Corp
E M Sergeant Pulp & Chem Co
Sessions-Gifford Co
J U Starkweather Co
►*Stauffer Chem Co
Thompson-Hayward Chem Co
Trio Chem Works
Joseph Turner & Co
*United States Borax & Chem Corp
►Western Pennsylvania Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem

BORDEAUX MIXTURE
►Barclay Chem Co
Faesy & Besthoff
*Miller Products Co

BORIC ANHYDRIDE see Boron Oxide

BORNEO CAMPHOR see Borneol

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S B Penick & Co
*Glidden Co
*Schimmel & Co

BORNYL ACETATE
*Aldrich Chem Co
Givaudan
S B Penick & Co
*Felton Chem Co
*Glidden Co
*Schimmel & Co

BOROFORM see Acetylene Tetrachloride

BORON ACETATE
►*American Potash & Chem Corp

BORON, AMORPHOUS
►*American Potash & Chem Corp
City Chem Corp
Fisher Scientific Co
*Hummel Chem Co
Intra Continental Export Co
*United States Borax & Chem Corp
*Var-Lac-Oid Chem Co
*F W Berk & Co
*Bram Metal-Chem Co
*Fairmount Chem Co

BORON CARBIDE
►Baird Chem Industries, Inc
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co
*Union Carbide Metals Co
*Fairmount Chem Co

BORON FLUORIDE-DIETHYL ETHER COMPLEX (Boron Fluorido Etherate)
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BORON HYDRIDE see Diborane and Pentaborane

BORON NITRIDE
►*Baird Chem Industries, Inc
*Hummel Chem Co
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co
*Fairmount Chem Co

BORON OXIDE
►*American Potash & Chem Corp
►*J T Baker Chem Co
J F Henry Chem Co
►*Stauffer Chem Co
*United States Borax & Chem Corp
*Var-Lac-Oid Chem Co

BORON PHOSPHATE
*United States Borax & Chem Corp

BORON TRICHLORIDE
►Baird Chem Industries, Inc
Matheson Co
►*Stauffer Chem Co

BORON TRIFLUORIDE
►*Allied Chem Corp, General Chem Div
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*Harshaw Chem Co
Matheson Co

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*New Jersey Zinc Co

BRAZILWOOD EXTRACT see Brasilin

BREMEN BLUE see Copper Carbonate

BREMEN GREEN see Copper Carbonate

BRIGHTENERS, FLUORESCENT see Optical Bleaches

BROMAL see Tribromoacetaldehyde

BROMINE
►*American Potash & Chem Corp
►*J T Baker Chem Co
Ciba Co
*Dow Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Michigan Chem Corp
Millmaster Chem Corp
William E Phillips
J U Starkweather Co
►*Westvaco Chlor-Alkali Div
*Great Lakes Chem Corp

BROMINE PENTAFLUORIDE
►*Allied Chem Corp, General Chem Div
*Harshaw Chem Co
Matheson Co

BROMINE TRIFLUORIDE
►*Allied Chem Corp, General Chem Div
*Harshaw Chem Co
Matheson Co

N-BROMOACETAMIDE
*Arapahoe Chem
Millmaster Chem Corp
William E Phillips

p-BROMOANILINE
*Eastern Chem Corp
*K & K Labs

BROMOBENZENE (Bromobenzol, Monobromobenzene, Phenyl Bromide)
►*J T Baker Chem Co
*Dow Chem Co
*Michigan Chem Corp

BROMOBENZOL see Bromobenzene

4-BROMOBENZOPHENONE (p-Bromophenyl Phenyl Ketone)
*Aldrich Chem Co
R W Greeff & Co

BROMOBUTANE see Butyl Bromide

4-BROMO-2-CHLOROACETANILIDE
*Beacon Chem Industries

4-BROMO-2-CHLOROANILINE
*Beacon Chem Industries

1-BROMO-4-CHLOROBENZENE
*Aldrich Chem Co
*Michigan Chem Corp

BROMOCAMPHOR see Camphor, Monobromated

BROMOCHLOROPHENOL BLUE (Dibromodichlorophenolsulfonphthalein)
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Matheson Coleman & Bell
*Hartman-Leddon Co

1-BROMO-3-CHLOROPROPANE see Trimethylene Chlorobromide

BROMOCRESOL GREEN (Tetrabromo-m-Cresolsulfonphthalein, Bromocresol Blue)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Matheson Coleman & Bell
*Hartman-Leddon Co

BROMOCRESOL PURPLE (Dibromocresolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
*Matheson Coleman & Bell
*Hartman-Leddon Co

BROMOCYCLOHEXANE see Cyclohexyl Bromide

BROMODICHLOROMETHANE (Methylene Dichlorobromide)
*Dow Chem Co

BROMODIETHYLACETYLUREA see Carbromal

3-BROMO-5,5-DIMETHYLHYDANTOIN
*Arapahoe Chem
*Bromine Producers Co

4-BROMODIPHENYL
*Dow Chem Co

BROMOETHANE see Ethyl Bromide

(2-BROMOETHYL) BENZENE
*Aldrich Chem Co
*Dow Chem Co

BROMOFORM (Tribromomethane)
►*J T Baker Chem Co
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
*Michigan Chem Corp
NYQ Chem Div, S B Penick & Co

α-BROMOISOVALERYL UREA
*Fallek Products Co
►*Sumner Chem Co Div
*Knoll Pharmaceutical Co

BROMOMETHANE see Methyl Bromide

1-BROMO-2-METHYLPROPANE see Isobutyl Bromide

1-BROMONAPHTHALENE (α-Bromonaphthalene)
►*Aceto Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*K & K Labs
*R S A Corp

1-BROMO-2-NAPHTHOL
*Aldrich Chem Co
*K & K Labs
*Beacon Chem Industries

1-BROMOPENTANE see n-Amyl Bromide

p-BROMOPHENOL
*Dow Chem Co

BROMOPHENOL BLUE (Tetrabromophenolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Matheson Coleman & Bell
*Hartman-Leddon Co

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β-BROMOPROPIONITRILE
*K & K Labs
*Kaplop Labs

2-BROMOPYRIDINE
*Fairmount Chem Co *Nepera Chem Co

N-BROMOSUCCINIMIDE
*Arapahoe Chem
Millmaster Chem Corp
William E Phillips

BROMOTHYMOL BLUE (Dibromothymolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Matheson Coleman & Bell
*Hartman-Leddon Co

α-BROMOTOLUENE see Benzyl Bromide

o-BROMOTOLUENE
*Aldrich Chem Co
*Dow Chem Co
*Matheson Coleman & Bell
*Kaplop Labs

p-BROMOTOLUENE
►*Aceto Chem Co
*Aldrich Chem Co
*Freeman Industries *Kaplop Labs

BROMOTOLUENES, MIXED
*Dow Chem Co
*Michigan Chem Corp
*Kaplop Labs

BROMOTRICHLOROMETHANE
*Dow Chem Co

BROMOTRIFLUOROMETHANE
►*E I du Pont de Nemours & Co, "Freon" Products Div

5-BROMOVANILLIN (5-Bromo-4-Hydroxy-3-Methoxybenzaldehyde)
*Eastern Chem Corp
*Electro Organic Corp

α-BROMO-m-XYLENE
*K & K Labs
*R S A Corp
*Beacon Chem Industries *Kaplop Labs

BROMYRITE see Silver Bromide

BRONZE POWDERS
►Barclay Chem Co
*Hummel Chem Co
*Allied Finishing Specialties Co
*Atlantic Powdered Metals
*Glidden Co
*Gold Leaf & Metallic Powders
*New Jersey Zinc Co

BRONZING LIQUIDS
*Pennsylvania Industrial Chem Corp
*Allied Finishing Specialties Co
*California Ink Co
*E I du Pont de Nemours & Co, Finishes Div, Automotive
*Interchem Corp, Finishes Div
*Lacquer Specialties
*Maas & Waldstein Co
*Pyroxylin Products
*Fred'k A Stresen-Reuter

BROWN ACETATE see Calcium Acetate

BROWN IRON see Iron Oxide, Brown

BRUCINE (Dimethoxystrychnine)
►Baird Chem Industries, Inc
European Chem Co
Gallard-Schlesinger Chem Mfg Corp
*Gane & Ingram
Henley & Co
Chas L Huisking & Co
George Uhe Co
*Roselle Labs

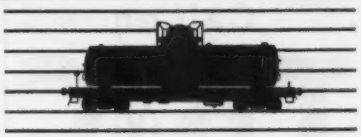
BRUCINE SULFATE
►Baird Chem Industries, Inc
European Chem Co
*Gane & Ingram
Chas L Huisking & Co
George Uhe Co
*Roselle Labs

BRUCITE see Magnesium Hydroxide

BUTABARBITAL
Gane & Ingram
*Gane's Chem Works
R W Greeff & Co
George Uhe Co

BUTABARBITAL SODIUM
Gane & Ingram
*Gane's Chem Works
R W Greeff & Co
George Uhe Co

BUTADIENE (Butadiene-1,3; Bivinyl; Erythrene; Pyrrolylene; Vinylethylene)
►Enjay Co
Matheson Co
►*Monsanto Chem Co
*Oronite Chem Co
*Petro-Tex Chem Corp
*Phillips Petroleum Co, Special Products Div
Texas Butadiene Chem Corp
►Texas-U S Chem Co
(Continued)



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*Union Carbide Olefins Co

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*Phillips Petroleum Co, Special Products Div
*Texas Butadiene & Chem Corp
*Goodrich-Gulf Chems, Inc

BUTADIENE SULFONE
*Kaplop Labs

BUTANE (Tetrane, Methylethyl Methane)
►*Monsanto Chem Co
*Phillips Petroleum Co, Special Products Div
*Cosden Petroleum Corp
*Eastern States Petroleum & Chem Corp
*Union Carbide Olefins Co
*United Fuel Gas Co

BUTANEDIOL see Butylene Glycol

1,4-BUTANEDIOL DICAPRYLATE
*Morton-Withers Chem Co
*Rubber Corp of America

BUTANEDIONE see Diacetyl

1,2,4-BUTANETRIOL
*Aldrich Chem Co

1-BUTANOL see Alcohol, n-Butyl

2-BUTANOL see Alcohol, sec.-Butyl

2-BUTENAL see Crotonaldehyde

BUTENE-1 (α-Butylene, Ethylethylene)
Matheson Co
*Petro-Tex Chem Corp
*Phillips Petroleum Co, Special Products Div
*Texas Butadiene & Chem Co
*Union Carbide Olefins Co
*Eastern States Petroleum & Chem Corp

BUTENE-2
Matheson Co
*Petro-Tex Chem Corp
*Phillips Petroleum Co, Special Products Div
*Texas Butadiene & Chem Corp
*Eastern States Petroleum & Chem Corp

cis-BUTENE-2 (Dimethyl Ethylene)
*Phillips Petroleum Co, Special Products Div

trans-BUTENE-2 (Dimethyl Ethylene
*Phillips Petroleum Co, Special Products Div

BUTENES, MIXED
►Enjay Co
►*Monsanto Chem Co
*Phillips Petroleum Co, Special Products Div
*Texas Butadiene & Chem Corp
*Eastern States Petroleum & Chem Corp

BUTENEDIOL METHACRYLATE
*Sartomer Resins Inc

3-BUTENENITRILE see Allyl Cyanide

2-BUTEN-1-OL see Alcohol, Crotyl

BUTOXYBUTANE see Ether, n-Butyl

1-BUTOXYETHOXY-2-PROPANOL
*Union Carbide Chems Co

p-BUTOXYPHENOL
*Abbott Labs

BUTTER OF ANTIMONY see Antimony Trichloride

BUTTER COLOR see Annatto

BUTTERCUP YELLOW see Zinc Chromate

BUTTER OF ZINC see Zinc Chloride

N-BUTYLACETANILIDE
*Eastern Chem Corp

n-BUTYL ACETATE
►American-British Chem Supplies
American Mineral Spirits Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
R J Brown Co
Browning Chem Corp
►*Celanese Corp of America, Chem Div
Chemical Solvents, Inc
►*Commercial Solvents Corp
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Fine Organics
Florasynth Labs
Harshaw Chem Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
*Publicker Industries
Scholle Chem Corp
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
Tar Residuals
*Union Carbide Chems Co
►*U S Industrial Chem Co Div
Washine Chem Corp
►Western Pennsylvania Chem Co

sec.-BUTYL ACETATE
American Mineral Spirits Co
Chemical Solvents, Inc
►Enjay Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc

BUTYL ACETOXYSTEARATE
*Baker Castor Oil Co

BUTYL ACETYL RICINOLEATE
*Baker Castor Oil Co
*Deecy Products Co

BUTYL ACID PHOSPHATE
►*Hooker Chem Corp
►*Monsanto Chem Co
►*Virginia-Carolina Chem Corp

N-tert.-BUTYLACRYLAMIDE
*American Cyanamid Co, Market Development Dept

n-BUTYL ACRYLATE
►*Celanese Corp of America, Chem Div
►*Rohm & Haas Co
*Union Carbide Chems Co

n-BUTYL ALDEHYDE see n-Butyraldehyde

n-BUTYLAMINE
*Pennsalt Chems Corp
*Union Carbide Chems Co
*Andor Labs

sec.-BUTYLAMINE
*Aldrich Chem Co
*Pennsalt Chems Corp

tert.-BUTYLAMINE
*Aldrich Chem Co
►*Rohm & Haas Co

n-BUTYL-p-AMINOBENZOATE
R W Greeff & Co
*R S A Corp
*Abbott Labs
*Polychemical Labs

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BUTYLATED HYDROXYANISOLE
►*Eastman Chem Products
*Universal Oil Products Co

BUTYLATED HYDROXYTOLUENE see Di-tert.-Butyl-p-Cresol

n-BUTYL BENZENE
*Aldrich Chem Co
*Eastman Organic Chems
*Phillips Petroleum Co, Special Products Div

sec.-BUTYL BENZENE
*Aldrich Chem Co
*Eastman Organic Chems
*Phillips Petroleum Co, Special Products Div
*Koppers Co, Plastics Div

tert.-BUTYL BENZENE
*Aldrich Chem Co
*Eastman Organic Chems
*Phillips Petroleum Co, Special Products Div

n-BUTYL BENZENESULFONATE
*Nease Chem Co

BUTYL BENZOATE
*Kolker Chem Corp

BUTYL BENZYL PHTHALATE
►*Monsanto Chem Co

BUTYL BENZYL SEBACATE
*Mathe Chem Co

BUTYL BORATE see Tributyl Borate

n-BUTYL BROMIDE (1-Bromobutane)
►*Aceto Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*R S A Corp
*Andor Labs *Brothers Chem Co

sec.-BUTYL BROMIDE (2-Bromobutane)
►*Aceto Chem Co
*Brothers Chem Co

tert.-BUTYL BROMIDE (2-Bromo-2-Methylpropane, 2-Bromoisobutane)
►*Aceto Chem Co
*Eastman Organic Chems
*Brothers Chem Co

n-BUTYL BUTYRATE (Isobutyl Isobutyrate)
*Dodge & Olcott

n-BUTYL BUTYRYL LACTATE
R W Greeff & Co

BUTYL CARBAMATE
*Aldrich Chem Co

p-tert.-BUTYL CATECHOL
*Aldrich Chem Co
*Dow Chem Co

n-BUTYL CHLORIDE
*Publicker Industries, Inc
*Union Carbide Chems Co
*Brothers Chem Co

sec.-BUTYL CHLORIDE
*Brothers Chem Co

tert.-BUTYL CHLORIDE
*Eastman Organic Chems
*K & K Labs
*Matheson Coleman & Bell
*Brothers Chem Co

BUTYL CITRATE see Tributyl Citrate

tert.-BUTYL-m-CRESOL
*Fallek Products Co
*Koppers Co, Tar Products Div

BUTYL CYCLOHEXYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
*Kessler Chem Co

BUTYL DECYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
American Mineral Spirits Co
*Kessler Chem Co
*Kolker Chem Corp
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*Rubber Corp of America

BUTYL-2,4-DICHLOROPHENOXYACETATE
*Diamond Alkali Co

n-BUTYL DIETHANOLAMINE
Matheson Coleman & Bell

n-BUTYL DIETHYL MALONATE
►*Benzol Products Co

BUTYLENE see Butene

1,3-BUTYLENE GLYCOL (1,3-Butanediol)
►*Celanese Corp of America, Chem Div

1,4-BUTYLENE GLYCOL (1,4-Butanediol)
*Antara Chem Div

2,3-BUTYLENE GLYCOL (2,3-Butanediol)
►*Celanese Corp of America, Chem Div

1,2-BUTYLENE OXIDE
*Farchan Research Labs

2,3-BUTYLENE OXIDE
*Farchan Research Labs

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►*Commercial Solvents Corp
*Degen Oil & Chem Co
*Kessler Chem Co
*Marcus Ruth Jerome Co
*Morton-Withers Chem Co
►*Nopco Chem Co
*Arnold, Hoffman & Co *Rubber Corp of America
*Beacon Chem Industries *Swift & Co
*Neatsfoot Oil Refineries

BUTYL FORMATE
*Andor Labs *Schimmel & Co

tert.-BUTYL HYDROPEROXIDE
*Cadet Chem Corp

BUTYL p-HYDROXYBENZOATE
*Goldschmidt Chem Corp
R W Greeff & Co
*Heyden Newport Chem Corp
*Polychemical Labs

n-BUTYL IODIDE (Iodobutane)
*Eastern Chem Corp
*Eastman Organic Chems
*Gallard-Schlesinger Chem Mfg Corp
*K & K Labs
*R S A Corp
*Andor Labs *Brothers Chem Co

sec.-BUTYL IODIDE
*Eastern Chem Corp
*K & K Labs
*Andor Labs *Brothers Chem Co

n-BUTYL ISOCYANATE
*Fallek Products Co
*Ott Chem Co
*Carwin Co

BUTYL ISODECYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
*Kessler Chem Co
*Kolker Chem Corp
*Rubber Corp of America

n-BUTYL LACTATE
►*Baird Chem Industries, Inc
►*Commercial Solvents Corp

BUTYL LAURATE
*Kessler Chem Co
*Mathe Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Beacon Chem Industries *Robinson Wagner Co
*Neatsfoot Oil Refineries

n-BUTYL MAGNESIUM CHLORIDE
*Arapahoe Chem
*Anderson Chem Co

n-BUTYL MERCAPTAN
*Pennsalt Chems Corp
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp *Kaplop Labs

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tert.-BUTYL MERCAPTAN
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*Phillips Petroleum Co, Special Products Div

n-BUTYL METHACRYLATE
►*Borden Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
►*Rohm & Haas Co

BUTYL MYRISTATE
*Kessler Chem Co
*Mathe Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Arnold, Hoffman & Co
*Beacon Chem Industries
*Robinson Wagner Co

BUTYL OCTYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
Chemical Solvents, Inc
►*Eastman Chem Products
*Kessler Chem Co
*Kolker Chem Corp
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*Rubber Corp of America

BUTYL OLEATE
*Carlisle Chem Works
Columbian Carbon Co
►*Food Machy & Chem Corp, Chems & Plastics Div
*Harchem Div, Wallace & Tiernan Inc
Harwick Standard Chem Co
*Kessler Chem Co
*Mathe Chem Co
►*Nopco Chem Co
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Arnold, Hoffman & Co
*Beacon Chem Industries
*Davies-Young Soap Co
*C P Hall Co
*Neatsfoot Oil Refineries
*Robinson Wagner Co
*Rubber Corp of America
*Swift & Co
*Wica Chem

tert.-BUTYL PERACETATE
*Lucidol Div, Wallace & Tiernan Inc

tert.-BUTYL PERBENZOATE
*Lucidol Div, Wallace & Tiernan Inc

o-sec.-BUTYLPHENOL
*Dow Chem Co
Midland Tar Distillers

p-sec.-BUTYLPHENOL
*Dow Chem Co
Midland Tar Distillers

p-tert.-BUTYLPHENOL
*Dow Chem Co
*Stepan Chem Co
*Union Carbide Chems Co
Wallach-Gracer Export Corp

BUTYL o-PHENYLPHENOL SODIUM SULFONATE
*Roberts Chems, Inc

BUTYL PHOSPHATE see Tributyl Phosphate

n-BUTYL PROPIONATE
Florasynth Labs
*Mathe Chem Co

n-BUTYL RICINOLEATE
*Baker Castor Oil Co
*Kessler Chem Co
*Mathe Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Deecy Products Co
*Neatsfoot Oil Refineries
*Process Chem Co
*Swift & Co

n-BUTYL STEARATE
►Baird Chem Industries, Inc
*Carlisle Chem Works
Columbian Carbon Co
►*Commercial Solvents Corp
*Fanning Chem Corp
►*Food Machy & Chem Corp, Chems & Plastics Div
*Harchem Div, Wallace & Tiernan Inc
*Kessler Chem Co
Kolker Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Marcus Ruth Jerome Co
*Mathe Chem Co
McKesson & Robbins, Inc, Chem Dept
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Stoney-Mueller, Inc
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Beacon Chem Industries
*C P Hall Co
*Neatsfoot Oil Refineries
*Robinson, Wagner Co
*Rubber Corp of America
*Swift & Co

n-BUTYLTRICHLOROSILANE
*Peninsular Chem Research

1-BUTYNE (Ethyl Acetylene)
*Air Reduction Chem Co Div
*Farchan Research Labs
Matheson Co

2-BUTYNE-1,4-DIOL
*Aldrich Chem Co
*Antara Chem Div
*Farchan Research Labs

3-BUTYN-1-OL (β-Ethynyl Ethanol)
*Farchan Research Labs

3-BUTYN-2-OL (Methyl Ethynyl Carbinol)
*Farchan Research Labs

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*Union Carbide Chems Co

BUTYRALDOXIME
►*Allied Chem Corp, National Aniline Div
*Andor Labs

BUTYRIC ANHYDRIDE
►*Eastman Chem Products
*Union Carbide Chems Co

BUTYROLACTONE
*Aldrich Chem Co
*Antara Chem Div

BUTYRONE see Dipropyl Ketone

N-BUTYRYL-p-AMINOPHENOL
►*Sumner Chem Co Div

BUTYRYL CHLORIDE (Butanoyl Chloride)
►*Hooker Chem Corp
►*Trubek Labs



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C

CACAO BUTTER see Oil, Theobroma

CADMIUM ACETATE
►*J T Baker Chem Co
*Mallinckrodt Chem Works
*Shepherd Chem Co
*Var-Lac-Oid Chem Co

CADMIUM BROMIDE
►*J T Baker Chem Co
*Dow Chem Co

CADMIUM CARBONATE
McGean Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co
►*Vitro Mfg Co

CADMIUM CHLORIDE
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►Berkshire Chems Inc
*Harshaw Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
Millmaster Chem Corp
Shepherd Chem Co
*Var-Lac-Oid Chem Co

CADMIUM 2-ETHYLHEXOATE (Cadmium Octoate)
*Advance Solvents & Chem Div
*Argus Chem Corp
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Ferro Chem Corp *Fred'k A Stresen-Reuter

CADMIUM FLUOBORATE
►*Allied Chem Corp, General Chem Div

CADMIUM FLUORIDE
*Var-Lac-Oid Chem Co

CADMIUM IODIDE
►*J T Baker Chem Co
City Chem Corp
Clearbrook Chem Co
*Gallard-Schlesinger Chem Mfg Corp
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co
*Andor Labs

CADMIUM, METAL
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
Failek Products Co
Globe Chem Co
Indussa Corp
Industrial Chem & Dye Co
Inland Chem Corp
International Selling Corp
Kraft Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
*Var-Lac-Oid Chem Co
*American Smelting & Refining Co
*Bram Metal-Chem Co
*Bunker Hill Co
*Eagle-Picher Co
*New Jersey Zinc Co
*St Joseph Lead Co

CADMIUM NAPHTHENATE
*Advance Solvents & Chem Div
*Shepherd Chem Co
►*Witco Chem Co
*Ferro Chem Corp *Fred'k A Stresen-Reuter

CADMIUM NITRATE
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Fisher Scientific Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*McGean Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co

CADMIUM ORANGES
►Berkshire Chems Inc
*General Color Co
Harwick Standard Chem Co
*Kentucky Color & Chem Co
*Shepherd Chem Co
►*Vitro Mfg Co
*Imperial Color Chem & Paper Corp *Glidden Co

CADMIUM OXIDE
►*J T Baker Chem Co
►Barclay Chem Co
*Harshaw Chem Co
Indussa Corp
Industrial Chem & Dye Co
Inland Chem Corp
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
*Var-Lac-Oid Chem Co
*E I du Pont de Nemours & Co, Electrochem Dept

CADMIUM POTASSIUM CHLORIDE
*City Chem Corp

CADMIUM POTASSIUM IODIDE
*City Chem Corp
Clearbrook Chem Co
*Andor Labs

CADMIUM PROPIONATE
*Arapahoe Chem
*Shepherd Chem Co
*Var-Lac-Oid Chem Co

CADMIUM REDS
►Berkshire Chems Inc
*General Color Co
Harwick Standard Chem Co
*Kentucky Color & Chem Co
*Shepherd Chem Co
►*Vitro Mfg Co
*B F Drakenfeld & Co *Imperial Color Chem & Paper
*Glidden Co

CADMIUM RICINOLEATE
*Argus Chem Corp
*Baker Castor Oil Co
*Ferro Chem Corp

CADMIUM SALICYLATE
*City Chem Corp

CADMIUM SELENATE
*City Chem Corp
*Shepherd Chem Co
*Var-Lac-Oid Chem Co

CADMIUM SELENIDE
►*Allied Chem Corp, General Chem Div
►Berkshire Chems Inc
Filo Color & Chem Corp
*Shepherd Chem Co
*Var-Lac-Oid Chem Co
►*Vitro Mfg Co
*Bram Metal-Chem Co *Imperial Color Chem & Paper
*Glidden Co

CADMIUM STEARATE
*Argus Chem Corp
►Barclay Chem Co
*Mathe Chem Co
Millmaster Chem Corp
►*Nopco Chem Co
Prior Chem Corp
Shepherd Chem Co
►*Witco Chem Co

CADMIUM SULFATE
►*J T Baker Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co
*American Smelting & Refining Co

CADMIUM SULFIDE (Cadmium Yellow, Jaune Brilliant, Greenockite, Aurora Yellow, Orange Cadmium, Orient Yellow)—see also Cadmium Yellow
►Berkshire Chems Inc
*Fisher Scientific Co
*General Color Co
*Harshaw Chem Co
Harwick Standard Chem Co
*Kentucky Color & Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co
►*Vitro Mfg Co
*Eagle-Picher Co *Glidden Co

CADMIUM SULFOSELENIDES—see also Cadmium Reds
*General Color Co
*Kentucky Color & Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co
*Glidden Co

CADMIUM TARTRATE
*City Chem Corp

CADMIUM TELLURIDE
*Var-Lac-Oid Chem Co

CADMIUM TUNGSTATE (Cadmium Wolframate)
*Var-Lac-Oid Chem Co
*North Metal & Chem Co

J.T.Baker CHEMICAL

CADMIUM CHLORIDE
Reagent and Purified

CADMIUM NITRATE
Reagent and Purified

CADMIUM SULFATE
Reagent Crystal
Purified Anhydrous

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CALCIUM SELENATE
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CALCIUM SILICATE
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CALCIUM m-SILICATE see Wollastonite

CALCIUM SILICIDE
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CALCIUM STANNATE
►*Metal & Thermit Corp
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*Carlisle Chem Works
*Fanning Chem Corp
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Howe & French Inc
*Mallinckrodt Chem Works
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McKesson & Robbins, Inc, Chem Dept
*Millmaster Chem Corp
►*Nopco Chem Co
*Nuodex Products Co
*M W Parsons-Plymouth Prior Chem Corp
Shepherd Chem Co
*Joseph Turner & Co
Whittaker, Clark & Daniels
►*Witco Chem Co
*American Cyanamid Co, Plastics & Resins Div
*Beacon Chem Industries
*Cabell Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Hodag Chem Corp
*Leffingwell Chem Co
*Swift & Co, General Soap Dept

CALCIUM SUCCINATE
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*Fallek Products Co
*Fine Organics
*NYQ Chem Div, S B Penick & Co
*B L Lemke & Co
*Polychemical Labs

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Charles B Chrystal Co
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CALCIUM SULFATE, HEMIHYDRATE (Plaster of Paris)
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CALCIUM SULFITE
*City Chem Corp

CALCIUM SULFONATE
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Sole Chem Corp
*L Sonneborn Sons
*Borne Chem Co
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*Pennsylvania Refining Co
*Process Chem Co

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*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*California Ink Co
*Chase Chem Corp
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CALCIUM TARTRATE
►*J T Baker Chem Co
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CALCIUM TETRAPHOSPHATE
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CALCIUM THIOCYANATE
*City Chem Corp
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CALCIUM THIOGLYCOLATE
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*Var-Lac-Old Chem Co
*American Phosphors Corp
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CALCIUM o-TUNGSTATE see Calcium Tungstate

CALCIUM UNDECYLENATE
*Baker Castor Oil Co
*City Chem Corp
*Millmaster Chem Corp
*Chemo Puro Mfg Corp

CALCIUM o-XYLENE SULFONATE
*City Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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CALCIUM ZIRCONATE
►*Titanium Alloy Mfg Div
*Zirconium Corp of America

CALCIUM ZIRCONATE SILICATE
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CALOMEL see Mercury Chloride (ous)

CAMBOGIA see Gum, Gamboge

CAMPHANOL see Borneol

CAMPHENE
*Hercules Powder Co
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*Mallinckrodt Chem Works
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CAMPHOR, NATURAL (Gum Camphor)
►Baird Chem Industries, Inc
Conray Products Co
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Robeco Chem
George Uhe Co

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CAMPHORIC ANHYDRIDE
*Aldrich Chem Co
*Fine Organics
*R S A Corp
*Polychemical Labs

CAMPHOSULFONATES
*Fine Organics
R W Greeff & Co
*Polychemical Labs

CANADA TURPENTINE see Balsam, Canada

CANADOL see Petroleum Benzine

CANARIUM see Gum, Elemi

ε-CAPROLACTAM
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
►*Commercial Solvents Corp
Mercer Chem Corp

CAPROYL CHLORIDE
►*Trubek Labs

CAPROYL HYDRIDE see Hexane

CAPRYLYL CHLORIDE (Octanoyl Chloride)
*Fallek Products Co
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CAPRYLYL PEROXIDE
*Lucidol Div, Wallace & Tiernan Inc

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►Baird Chem Industries, Inc
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CARBAMIDE see Urea

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Tar Residuals
*Koppers Co, Tar Products Div
*Southern Dyestuff Corp

b-CARBETHOXYETHYLTRIETHOXYSILANE
*Union Carbide Corp, Silicones Div

b-CARBETHOXYPROPYLMETHYLDIETHOXYSILANE
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CARBINOL see Methanol

CARBITOL see Ether, Diethylene Glycol Monoethyl

CARBON, ACTIVATED (Clarifying Carbon, Decolorizing Carbon, Deodorizing Carbon)
*Atlas Powder Co, Chems Div
Barada & Page
►Barclay Chem Co
*Barnebey-Cheney Co
Berkshire Chem
*Girdler Catalysts
R W Greeff & Co
*Harshaw Chem Co
Inland Chem Corp
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*National Carbon Co
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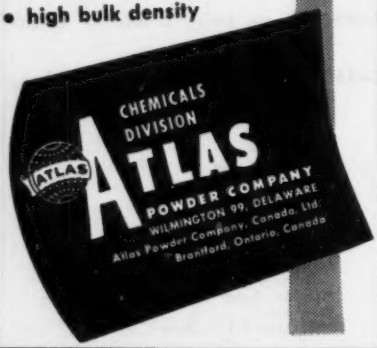
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*American Norit Co
*Bio-Rad Labs
*Catalysts & Chems Inc
*Collier Carbon & Chem Corp
*Electro Chem Co
*Permutit Co
*Union Carbide Olefins Co
*W Va Pulp & Paper Co, Industrial Chem Sales Div

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*Columbia-Southern Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
J U Starkweather Co
►*Stauffer Chem Co
Thomson-Hayward Chem Co
►*Westvaco Chlor-Alkali Div

CARBON, CLARIFYING see Carbon, Activated

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CARBON, DECOLORIZING see Carbon, Activated

CARBON, DEODORIZING see Carbon, Activated

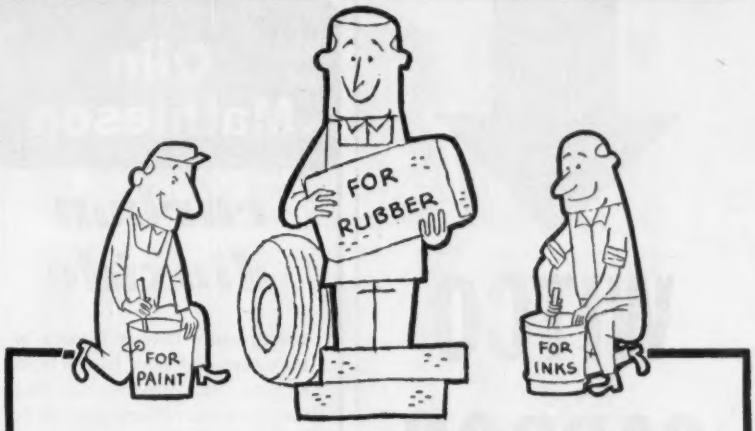
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See page 62 for our complete listing

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►*Witco Chem Co
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►*Wyandotte Chem Corp
*Collier Carbon & Chem Corp
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CARBON DISULFIDE see Carbon Bisulfide

CARBON HEXACHLORIDE see Hexachloroethane

CARBON MONOXIDE
*Matheson Co

CARBON TETRABROMIDE
*Dow Chem Co

CARBON TETRACHLORIDE (Perchlormethane, Benzinoform, Tetrachlormethane)
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in any form...
in any quantity...
for any use
requiring CO_2

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Whether you use carbon dioxide as a raw material or for processing, CARDOX meets your needs with high-purity CO_2 in any form—bulk liquid, dry ice or cylinder gas.

Cardox provides fast, dependable service from more than 65 supply depots and warehouses in strategic locations. It operates its own fleet of transport trucks and railway tank cars on a nationwide basis to supply its users. Complete technical assistance in the economical use of carbon dioxide in any form to meet your specific needs is available at your request.



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Cardox originated and developed the low pressure storage of liquid carbon dioxide. It installs and maintains in-plant storage units for bulk liquid CO_2 wherever requirements warrant it. Operation is virtually automatic. You pay only for the CO_2 you actually use, under the terms of your contract.



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- LACTIC
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CARBOXYMETHYLCELLULOSE see Sodium Carboxymethylcellulose

CARBOXYMETHYL HYDROXYETHYL CELLULOSE
*Hercules Powder Co

1-CARBOXYPROPYLENE see Acid, Crotonic

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Roussel Corp
►*Sumner Chem Co Div
*Biorganic Labs
*Roselle Labs
*Scher Bros

CARNOT'S REAGENT see Bismuth Nitrate

β-CAROTENE
*Fallek Products Co
►*Merck Chem Div
*Chas Pfizer & Co
*Barnett Labs
*Roselle Labs

CAROTENES, MIXED
Vitamins, Inc
*Barnett Labs
*Freeman Industries
*Roselle Labs

CARRAGEEN EXTRACTS (Irish Moss Extract)
*Burtonite Co
T M Duche & Sons, Unigum Div
*Marine Colloids, Inc
*Stein, Hall & Co
S B Penick & Co
*Jacques Wolf & Co
*Kraft Foods

CARTHAMUS see Saffron, American

CARVACROL (2-Hydroxy-p-Cymene, Isopropyl-o-Cresol)
*Givaudan
S B Penick & Co
*Schimmel & Co

CASEIN
►American-British Chem Supplies
►Barclay Chem Co
►*Borden Chem Co
►*Borden Chem Co, Casein Dept
Harwick Standard Chem Co
Howe & French Inc
*National Casein Co
E M Sergeant Pulp & Chem Co
*Sheffield Chem Div
Vitamins, Inc
*A Adler & Son

CASHOO see Cutch

CASSAVA see Tapioca Flour

CASTOR MEAL see Castor Pomace

CASTOR POMACE (Castor Meal)
H J Baker & Bro
*Baker Castor Oil Co
Brazilian Industrial Oils

CATALASE
*Fermco Labs
*Paul-Lewis Labs
*Takamine Lab

CATALYST SUPPORTS
*Aluminum Co of America
*Barnebey-Cheney Co
►*Minerals & Chem Corp of America
*National Carbon Co
*Pittsburgh Coke & Chem Co
L A Salomon & Bro
►*Titanium Alloy Mfg Div
►*Westvaco Mineral Products Div
*Catalysts & Chems Inc
*Eagle-Picher Co
*Filtrol Corp
*Floridin Co
*Houdry Process Corp
*Kaiser Chems Div
*Oxy-Catalyst, Inc

CATALYSTS, ALKYLATION
*Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
L A Salomon & Bro
►*Stauffer Chem Co
*Anderson Chem Co
*Houdry Process Corp
*Nyotex Chems Div

CATALYSTS, CRACKING
*Advance Solvents & Chem Div
►*Davison Chem Co Div
*Harshaw Chem Co
►*Minerals & Chem Corp of America
*Nuodex Products Co
►Peerless Oil & Chem Corp
►*Stauffer Chem Co
*Filtrol Corp
*Houdry Process Corp
*J A Samuel & Co

CATALYSTS, CUSTOM
►*Davison Chem Co Div
*Girdler Catalysts
*Harshaw Chem Co
►*Minerals & Chem Corp of America
*Oronite Chem Co
►*Stauffer Chem Co
*Anderson Chem Co
*Catalysts & Chems Inc
*Engelhard Industries
*Filtrol Corp
*Houdry Process Corp
*MacKenzie Chem Works
*Oxy-Catalyst, Inc

CATALYSTS, DEALKYLATION
*Harshaw Chem Co
►*Stauffer Chem Co
*Houdry Process Corp

CATALYSTS, DEHYDROGENATION
*Dow Chem Co
*Girdler Catalysts
*Harshaw Chem Co
►*Stauffer Chem Co
►*Westvaco Mineral Products Div
*Catalysts & Chems Inc
*Englehard Industries
*Filtrol Corp
*Houdry Process Corp
J A Samuel & Co
*Shell Chem Corp

CATALYSTS, DEOXIDATION
*Girdler Catalysts
*Harshaw Chem Co
►*Stauffer Chem Co
*Catalysts & Chems Inc
*Engelhard Industries
*Fermco Labs
*Houdry Process Corp

CATALYSTS, DESULFURIZATION
Chemical Mfg Co
*Girdler Catalysts
*Harshaw Chem Co
►*Minerals & Chem Corp of America
►*Stauffer Chem Co
►*Tennessee Corp
*Universal Oil Products Co
*Catalysts & Chems Inc
*Filtrol Corp
*Houdry Process Corp
*National Aluminate Corp

CATALYSTS, HYDROGENATION
►Berkshire Chems Inc
*Dow Chem Co
*Girdler Catalysts
*Harshaw Chem Co
*Nuodex Products Co
*Oronite Chem Co
►*Stauffer Chem Co
*Universal Oil Products Co
►*Vitro Rare Metals Co
*Catalysts & Chems Inc
*Engelhard Industries
*Filtrol Corp
*Houdry Process Corp
*National Aluminate Corp
*J A Samuel & Co

CATALYSTS, ORGANIC SYNTHESIS
*Columbia-Southern Chem Corp
*Girdler Catalysts
*Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Stauffer Chem Co
*Anderson Chem Co
*Catalysts & Chems Inc
*Engelhard Industries
*Filtrol Corp
*Houdry Process Corp
*National Aluminate Corp

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CATALYSTS, OXIDATION

*Advance Solvents & Chem Div
►*Davison Chem Co Div
*Girdler Catalysts
*Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
*Nuodex Products Co

*Catalysts & Chems Inc
*Chase Chem Corp
*Houdry Process Corp
*Oxy-Catalyst, Inc
*Troy Chem Co

CATALYSTS, POLYMERIZATION

*Advance Solvents & Chem Div
►*Armour Industrial Chem Co
*Columbia-Southern Chem Corp
►*Davison Chem Co Div
►*Foote Mineral Co
*Harshaw Chem Co
*Hercules Powder Co
*Heyden Newport Chem Corp
*Lucidol Div, Wallace & Tiernan Inc
McKesson & Robbins, Inc, Chem Dept
►*Minerals & Chem Corp of America
►*Monsanto Chem Co
Sartomer Resins, Inc
►*Stauffer Chem Co
*Universal Oil Products Co

*Anderson Chem Co
*Bryant Chem Corp
*Cadet Chem Corp
*California Ink Co
*Catalysts & Chems Inc
*Celanese Corp of America, Plastics Div
*Chemical Development Corp
*Engelhard Industries
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Filtrol Corp
*Houdry Process Corp
*MacKenzie Chem Works
*Norton Chem Works
*J A Samuel & Co
*Troy Chem Co
*US Peroxygen Corp
*Warwick Chem Co Div

CATALYSTS, POLYOLEFIN

*Columbia-Southern Chem Corp
►*Davison Chem Co Div
*Harshaw Chem Co
►*Stauffer Chem Co

*Anderson Chem Co
*Cadet Chem Corp
*Filtrol Corp
*Houdry Process Corp
*Norton Chem Works

CATALYSTS, REFORMING

►*Davison Chem Co Div
*Girdler Catalysts
*Harshaw Chem Co
►*Minerals & Chem Corp of America
►*Stauffer Chem Co
*Universal Oil Products Co
►*Westvaco Chlor-Alkali Div
►*Westvaco Mineral Products Div

*Catalysts & Chems Inc
*Engelhard Industries
*Filtrol Corp
*Houdry Process Corp
*National Aluminate Corp
*J A Samuel & Co

CATECHOL see Pyrocatechol

CATECHU, BLACK see Cutch

CATECHU, PALE see Gambir

CAUSTIC ANTIMONY see Antimony Trichloride

CAUSTIC BARYTA see Barium Hydroxide

CAUSTIC POTASH see Potash, Caustic

CAUSTIC SODA see Soda, Caustic

CEDROL (Sesquiterpene Alcohol)

*Aldrich Chem Co
*Givaudan
*S B Penick & Co
*Van Ameringen-Haebler Div
*Schimmel & Co

CELESTITE see Strontium Sulfate

CELLON see Acetylene Tetrachloride

CELLOSOLVE see Ether, Ethylene Glycol Monoethyl

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CELLULOSE ACETATE (Acetyl Cellulose)
►Barclay Chem Co
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products
►Modern Solvents & Chems Corp
►*Monsanto Chem Co

*Celanese Corp of America, Plastics Div
*Roscoe Labs

CELLULOSE ACETATE BUTYRATE
►Barclay Chem Co
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products

CELLULOSE ACETATE LACQUER (Plastic Coating Lacquer)
*National Chem & Plastics Co

*Adhesive Products Corp
*American Products Mfg Co
*Duralac Chem Corp
*Interchem Corp, Finishes Div
*Lacquer Specialties
*Maas & Waldstein Co
*Monroe Sander Corp
*Pyroxylin Products
*R & A Leather Finish Co
*Raffi & Swanson

CELLULOSE, CHEMICAL COTTON
*Buckeye Cellulose Corp

CELLULOSE NITRATE see Nitrocellulose

CELLULOSE, OXIDIZED
►*Eastman Chem Products

CELLULOSE PROPRIONATE
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products

*Celanese Corp of America, Plastics Div

CELLULOSE TRIACETATE
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products

*Celanese Corp of America, Plastics Div

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*Buckeye Cellulose Corp
*Chemical Coatings & Engrg Co
*Puget Sound Pulp & Timber Co
*Rayonier, Inc

CEMENTS, ACIDPROOF
►*Allied Chem Corp, Barrett Div
►*Borden Chem Co
Hostachem Corp
*Johns-Manville
*National Carbon Co
*Pennsalt Chems Corp

*Adhesive Products Corp
*Atlas Mineral Products Co
*Ceilcote Co
*Central Scientific Co
*Haveg Industries
*Interchem Corp, Finishes Div
*Lox Mfg Co
*Midland Adhesive & Chem Corp
*Quigley Co
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co

CEMENTS, ASPHALT
►*Allied Chem Corp, Barrett Div
►*Borden Chem Co
*Esso Standard Oil Co
*Johns-Manville
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co
►*Witco Chem Co

*Adhesive Products Corp
*Adhesive Products, Inc
*Amchem Products
*Coopers Creek Chem Corp
*Eagle-Picher Co
*Benjamin Foster Co
*Midland Adhesive & Chem Corp
*Sauereisen Cements Co
*Zophar Mills

CEMENTS, ELECTRICAL-RESISTING
►*Allied Chem Corp, Barrett Div
*Johns-Manville
►*Titanium Alloy Mfg Div

*Adhesive Products Corp
*Central Scientific Co
*Chemical Coatings & Engrg Co
*L W Ferdinand & Co
*Interchem Corp, Finishes Div
*Lox Mfg Co
*Midland Adhesive & Chem Corp
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co
*Varniton Co
*Zophar Mills

CEMENTS, OILPROOF
►*Borden Chem Co
*Johns-Manville

*Adhesives Products Corp
*Amchem Products
*B B Chem Co
*Geo Callahan & Co
*Ceilcote Co
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*E I du Pont de Nemours & Co, Finishes Div, Automotive
*Benjamin Foster Co
*Hadley Bros-Uhl Co
*Interchem Corp, Finishes Div
*Lox Mfg Co
*Midland Adhesive & Chem Corp
*Pyroxylin Products
*Rubba, Inc
*Rubber & Asbestos Corp
*Sauereisen Cements Co
*Varniton Co
*Zophar Mills

CEMENTS, REFRACTORY
*Aluminum Co of America
*Johns-Manville

*Eagle-Picher Co
*Ironton Fire Brick Co
*Kaiser Chems Div
*Mexico Refractories Co
*Midland Adhesive & Chem Corp
*National Starch Products
*Quigley Co
*Sauereisen Cements Co
*Universal Atlas Cement
*Zirconium Corp of America

CEMENTS, WATERPROOF
►*Allied Chem Corp, Chem Div
►*Borden Chem Co
*Johns-Manville
*Morningstar-Paisley, Inc
*Pittsburgh Coke & Chem Co

*Adhesive Products Corp
*Adhesive Products, Inc
*Allied Finishing Specialties Co
*Amchem Products
*B B Chem Co
*Chemical Coatings & Engrg Co
*Coplay Cement Mfg Co
*Dacar Chem Products
*E I du Pont de Nemours & Co, Finishes Div Automotive
*L W Ferdinand & Co
*Benjamin Foster Co
*Gill Chem Products
*Hadley Bros-Uhl Co
*Interchem Corp, Finishes Div
*Koppers Co, Chems & Dyestuffs Div
*Lox Mfg Co
*Midland Adhesive & Chem Corp
*Pyroxylin Products
*Rubba, Inc
*Sauereisen Cements Co
*Universal Atlas Cement
*Varniton Co
*Zophar Mills

CEPHAELIS see Ipecac Root

CERA FLAVA see Wax, Bees

CERESIN see Wax, Ceresin

CERIN see Wax, Ceresin

CERIUM AMMONIUM NITRATE (ic)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
Millmaster Chem Corp
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

CERIUM AMMONIUM NITRATE (ous)
►Berkshire Chems Inc
Harshaw Chem Co
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

*Heavy Minerals Co
*Universal Atlas Cement Co

CERIUM AMMONIUM SULFATE (ic)
►*American Potash & Chem Corp
►*J T Baker Chem Co
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

CERIUM BROMIDE (ous)
*City Chem Corp
►*Lindsay Chem Div
*Var-Lac-Oid Chem Co

*Research Chem

CERIUM CARBONATE (ous)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
Harshaw Chem Co
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

CERIUM CHLORIDE (ic)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
Millmaster Chem Corp
*Var Lac-Oid Chem Co

*Heavy Minerals Co
*Research Chem

CERIUM CHLORIDE (ous)
►Berkshire Chems Inc
*Fisher Scientific Co
►*Lindsay Chem Div
*Maywood Chem Works
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

CERIUM DIOXIDE see Cerium Oxide

CERIUM HYDRATE see Cerium Hydroxide

CERIUM HYDROXIDE (ic)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
Harshaw Chem Co
►*Lindsay Chem Div
*Maywood Chem Works
Millmaster Chem Corp
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
Whittaker, Clark & Daniels

*Heavy Minerals Co

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CERIUM HYDROXIDE (ous)
►Berkshire Chems Inc
►*Davison Chem Co Div
*Var-Lac-Oid Chem Co
*Heavy Minerals Co

CERIUM IODATE (ic)
Clearbrook Chem Co
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

CERIUM, METAL
►*American Potash & Chem Corp
*Belmont Smelting & Refining Works
►Berkshire Chems Inc
►Davison Chem Co Div
*Mallinckrodt Chem Works
Millmaster Chem Corp
Pfaltz & Bauer, Inc
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co *New Process Metals
*General Cerium Corp *Research Chem
*Heavy Minerals Co

CERIUM NAPHTHENATE
►*Davison Chem Co Div
*Nuodex Products Co
*Shepherd Chem Co
*Troy Chem Co

CERIUM NITRATE (ous)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
Millmaster Chem Corp
Pfaltz & Bauer, Inc
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
*Heavy Minerals Co *Research Chem

CERIUM OXALATE (ous)
►*American Potash & Chem Corp
►*J T Baker Chem Co
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Mallinckrodt Chem Works
Millmaster Chem Corp
Pfaltz & Bauer, Inc
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
*Heavy Minerals Co *Research Chem

CERIUM OXIDE (ic)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
Gallard-Schlesinger Chem Mfg Corp
Harshaw Chem Co
►*Lindsay Chem Div
*Maywood Chem Works
Millmaster Chem Corp
Pfaltz & Bauer, Inc
G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
Whittaker, Clark & Daniels
*Heavy Minerals Co *Research Chem

CERIUM PERCHLORATE (ic)
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

CERIUM PERCHLORATE (ous)
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

CERIUM POTASSIUM NITRATE (ic)
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

CERIUM STANNATE
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co

CERIUM SULFATE (ic)
►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
*Fisher Scientific Co
►*Lindsay Chem Div
*Maywood Chem Works
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
*Heavy Minerals Co

CERIUM SULFATE (ous)
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co
*Heavy Minerals Co

CERIUM TITANATE
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co

CERIUM ZIRCONATE
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co

CERUSE see Lead Carbonate, Basic

CESIUM BROMIDE
*City Chem Corp
*Dow Chem Co
*Eastern Chem Corp
*Harshaw Chem Co
*Maywood Chem Works
Millmaster Chem Corp
*R S A Corp
*Var-Lac-Oid Chem Co
*Fairmount Chem Co *Isomet Corp

CESIUM CARBONATE
►*American Potash & Chem Corp
*City Chem Corp
*Eastern Chem Corp
Gallard-Schlesinger Chem Mfg Corp
*Maywood Chem Works
*R S A Corp
*Var-Lac-Oid Chem Co
*Fairmount Chem Co *Werner G Smith, Inc

CESIUM CHLORIDE
►*American Potash & Chem Corp
*City Chem Corp
*Eastern Chem Corp
*Maywood Chem Works
Millmaster Chem Corp
*R S A Corp
*Var-Lac-Oid Chem Co
*Fairmount Chem Co *Werner G Smith, Inc
*Isomet Corp

CESIUM FLUORIDE
Gallard-Schlesinger Chem Mfg Corp

CESIUM IODIDE
*City Chem Corp
*Eastern Chem Corp
Gallard-Schlesinger Chem Mfg Corp
*Harshaw Chem Co
*R S A Corp
*Var-Lac Oid Chem Co
*Fairmount Chem Co *Isomet Corp

CESIUM, METAL
►*American Potash & Chem Corp
*City Chem Corp
Millmaster Chem Corp
*R S A Corp
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co *Werner G Smith, Inc
*Fairmount Chem Co

CESIUM SULFATE
►*American Potash & Chem Corp
*City Chem Corp
*Maywood Chem Works
*R S A Corp
Var-Lac-Oid Chem Co
*Fairmount Chem Co

CETACEUM see Wax, Spermaceti

CETANE see n-Hexadecane

CETIN see Cetyl Palmitate

CETYL BROMIDE
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*Dow Chem Co
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*Fallek Products Co
R W Greeff & Co
*Humphrey-Wilkinson
►*M Michel & Co

CETYL DIMETHYL BENZYL AMMONIUM CHLORIDE
►*Aceto Chem Co
*Fallek Products Co
*Fine Organics
►*Onyx Oil & Chem Co
*Barlow Chem Corp

CETYL DIMETHYL ETHYL AMMONIUM BROMIDE
►*Aceto Chem Co
*Fine Organics
►*Onyx Oil & Chem Co
*Winthrop Labs

CETYL IODIDE
*K & K Labs
*R S A Corp
*Andor Labs

CETYL OLEATE
R W Greeff & Co
*Kessler Chem Co
*Werner G Smith, Inc

CETYL PALMITATE
*Fanning Chem Corp
*Kessler Chem Co
►*M Michel & Co
Robeco Chems
*Archer-Daniels-Midland Co
*Werner G Smith, Inc

CETYL PYRIDINIUM BROMIDE
►*Aceto Chem Co
City Chem Corp
*Fine Organics
R W Greeff & Co
►*M Michel & Co

CETYL PYRIDINIUM CHLORIDE
►Aceto Chem Corp
City Chem Corp
*Fallek Products Co
*Fine Organics
*Gane's Chem Works
R W Greeff & Co
►*M Michel & Co
*Hexagon Labs
*Hukill Chem Corp

CETYL PYRIDINIUM IODIDE
R W Greeff & Co
*Andor Labs

CETYL STEARATE
*Kessler Chem Co
►M Michel & Co
*Werner G Smith, Inc

CETYL TRIMETHYL AMMONIUM BROMIDE
►*Aceto Chem Co
*Fine Organics
►*M Michel & Co
►*Onyx Oil & Chem Co
*Andor Labs

CHALCONE see Benzalacetophenone

CHALK — see also Calcium Carbonate and Whiting
H J Baker & Bro
Charles B Chrystal Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
►*Wyandotte Chem Corp
*Calcium Carbonate Co
*Smith Lime Flour Co
*Pluess-Staufer (North America)

CHALK, PRECIPITATED see Calcium Carbonate

CHANNEL BLACK see Carbon Black

CHARCOAL (Wood Charcoal, Vegetable Charcoal)
*Barnebey-Cheney Co
Bonewitz Chem
*Godfrey L Cabot
*Fisher Scientific Co
Harshaw Chem Co
Hummel Chem Co
*Mallinckrodt Chem Works
►*Stauffer Chem Co
*Charcoal Corp of America
*Collier Carbon & Chem Corp
*Crossett Chem Co
*Tennessee Products & Chem Corp

CHARCOAL, ACTIVATED
*Atlas Powder Co, Chems Div
*Barnebey-Cheney Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*National Carbon Co
L A Salomon & Bro
*American Norit Co
*Charcoal Corp of America
*Collier Carbon & Chem Corp
*Electro Chem Co
*Union Carbide Olefins Co

CHELATING AGENTS
*Advance Solvents & Chem Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Argus Chem Corp
*Atlas Powder Co, Chems Div
*Blockson Chem Co
*Bonewitz Chem
►*Crown Zellerbach Corp
J H DeLamar & Son
*Dow Chem Co
*Fallek Products Co
*Geigy Dyestuffs Div
*Glyco Chems Co
►*Koppers Co, Chems & Dyestuffs Div
George Mann & Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►Peerless Oil & Chem Corp
Petroleum Specialties
*Pfanstiehl Labs
*Refined Products Corp
*Rumford Chem Works
*Shepherd Chem Co
►*Westvaco Mineral Products Div
*Bio-Rad Labs
*Carlstadt Chem Co
*Eastern Color & Chem Co
*Emkay Chem Co
*Legrand Chem Corp
*MacKenzie Chem Works
*Metro-Atlantic, Inc
*Mona Industries
*Oakite Products
*Process Chem Co
*Puget Sound Pulp & Timber Co
*Scher Bros
*Tanatex Chem Corp
*Tretolite Co Div
*Union Starch & Refining Co
*U S Oils & Chems
*Wica Chem

CHEMICALS see specific type, e.g., Electronic Chemicals, Petrochemicals, Rubber Compounding Materials, Textile Specialties, etc.

CHESTNUT EXTRACT
*New York Color & Chem Co
*Prentiss Drug & Chem Co
*Arthur C Trask Co

CHILE SALTPETER see Sodium Nitrate

CHINA BARK see Soap Bark

CHINESE BLUE see Prussian Blue

CHINESE CINNAMON OIL see Oil, Cassia

CHINESE VERMILION see Mercury Sulfide, Red

CHINESE WHITE see Zinc Oxide

CHINIOFON
Fisher Chem Co
*Gallard-Schlesinger Chem Mfg Corp
*Metalsalts Corp
*Biorganic Labs
*Gamma Chem Corp
*Polychemical Labs

CHINOLINE see Quinoline

CHINONE see Quinone

CHLORAL
*Diamond Alkali Co
R W Greeff & Co
►*Westvaco Chlor-Alkali Div

CHLORAL HYDRATE (Crystalline Chloral)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
European Chem Co
Gane & Ingram
R W Greeff & Co
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co

CHLORALLYLENE see Allyl Chloride

CHLORAMINE-B
*Nease Chem Co

CHLORAMINE-T (p-Toluenesulfonamide Sodium Salt)
*Heyden Newport Chem Corp
*Mallinckrodt Chem Works
►*Monsanto Chem Co
*Nease Chem Co
NYQ Chem Div, S B Penick & Co

CHLORAMPHENICOL ("Chloromycetin")
*Roselle Labs

CHLORANIL see Tetrachloro-p-benzoquinone

CHLORBENZENE see Chlorobenzene

CHLORBENZOL see Chlorobenzene

CHLORDANE (Octachloro-4,7-Methano-Tetrahydroindane)
►Baird Chem Industries, Inc
*H T Baker & Bro
Chapman Chem Corp
►Peerless Oil & Chem Corp
S B Penick & Co
*Pennsalt Chem Corp
H P Rossiger & Co
►*Stauffer Chem Co
Thompson-Hayward Chem Co
Trio Chem Works
*Beechem Labs
*Coopers Creek Chem Corp
*Prentiss Drug & Chem Co
*Velsicol Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem

CHLORENDIC ANHYDRIDE
►*Hooker Chem Corp

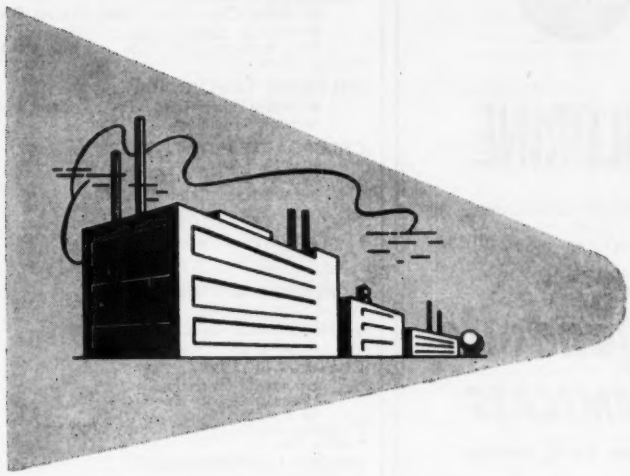
CHLORETONE see Chlorobutanol

CHLORINATED LIME—see also Calcium Hypochlorite
Chemical Mfg Co
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
Republic Chem Corp
E M Sergeant Pulp & Chem Co
*Trio Chem Works
*B R Elk & Co

CHLORINE
►*Allied Chem Corp, Solvay Process Div
Aluminium Limited Sales
American Oil & Supply Co
Barada & Page
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*Dow Chem Co
Globe Chem Co
►*Hooker Chem Corp
Inland Chem Corp
*International Minerals & Chem Corp, Potash Div
►*Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
*Olin Mathieson Chem Corp, Industrial Chems
Opalco Lab

(Continued)

Western Pennsylvania Chemical Co., Inc.



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Battery Acid
Bicarbonate of Soda
Borax
Bottle Alkali
Calcium Chloride
Calcium Hypochlorite
Carbon Tetrachloride
Caustic Potash
Caustic Soda
Chlorine
Copper Sulphate
Diatomaceous Earth
Di-Sodium Phosphate
Ethylene Dichloride
Ferrous Sulphate
Formaldehyde
Hydrogen Peroxide
Industrial Floor Dry
Industrial Salt
Isopropyl Alcohol
Lime
Lobax
Methanol
Methylene Chloride
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Mono Sodium Phosphate
Monochlorobenzol
Muriatic Acid
Nitric Acid
Oxalic Acid
Paradichlorobenzene
Perchlorethylene
P. H. Plus Blocks
Proprietary Solvent
Purex
Santosite
Soda Ash
Soda Ash Briquettes
Sodium Bichromate
Sodium Bisulfite
Sodium Fluoride
Sodium Hexametaphosphate
Sodium Hypochlorite
Sodium Metasilicate
Sodium Silicate
Sodium Silico Fluoride
Sodium Sulfate
Sodium Sulfhydrate
Sodium Sulfide
Sodium Sulfite
Sulfur Dioxide
Sulphuric Acid
Tetra Sodium Pyrophosphate
Toluol
Trichlorethylene
Tri Poly Phosphate
Tri-Sodium Phosphate
Urea
Xylol

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CHLORINE

For further information,
see our catalog on pages 191-194.

Wyandotte CHEMICALS
Michigan Alkali Division
Wyandotte, Michigan

PACING PROGRESS WITH CREATIVE CHEMISTRY

CHLORINE (continued)
*Pennsalt Chem, Corp
William E Phillips
►*Stauffer Chem Co
Thompson-Hayward Chem Co
►*U S Industrial Chem Co Div
►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
►*Wyandotte Chem Corp
*Arkansas Louisiana Chem Corp
*Frontier Chem Co
*Velsicol Chem Corp

CHLORINE DIOXIDE
►*Allied Chem Corp, Solvay Process Div
►*Hooker Chem Corp
*Olin Mathieson Chem Corp, Industrial Chems
*Sterwin Chems, Inc

CHLORINE TRIFLUORIDE
►*Allied Chem Corp, General Chem Div
*Pennsalt Chems Corp

CHLOROACETALDEHYDE
*Dow Chem Co
Matheson Co
►*Westvaco Chlor-Alkali Div

CHLOROACETAMIDE
►*Benzol Products Co
*R S A Corp
*Fairmount Chem Co

o-CHLOROACETANILIDE
*Beacon Chem Industries

o-CHLOROACETOACETANILIDE
Hostachem Corp

CHLOROACETONE
►*Benzol Products Co
*Eastman Organic Chems
*R S A Corp
*Dynacolor Corp
*Roberts Chems, Inc
*Kaplop Labs

CHLOROACETOPHENONE
*Roberts Chems, Inc

CHLOROACETYL CHLORIDE
►*Aceto Chem Co
*Dow Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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4-CHLORO-2-AMINO ANISOLE see Chloroanisidine

m-CHLOROANILINE
►Aceto Chem Co
*Aldrich Chem Co
*Antara Chem Div
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

o-CHLOROANILINE
►Aceto Chem Co
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Verona-Pharma Chem Corp

p-CHLOROANILINE
►Aceto Chem Co
Hostachem Corp
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

CHLOROANISIDINE (1-Methoxy-2-Amino-4-Chlorobenzene, 4-Chloro-2-Amino-Anisole)
Hostachem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Verona-Pharma Chem Corp

β-CHLOROANTHRAQUINONE
*Aldrich Chem Co
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Ciba Co
Fallek Products Co

o-CHLOROBENZALDEHYDE
*Antara Chem Div
*Heyden Newport Chem Corp

p-CHLOROBENZALDEHYDE
*Antara Chem Div
*Heyden Newport Chem Corp

CHLOROBENZENE (Chlorobenzol, Monochlorobenzene, Benzene Chloride, Phenyl Chloride, Chlorbenzol, Chlorbenzene)
►*Allied Chem Corp, Solvay Process Div
American Mineral Spirits Co
*Chemical Products Corp (Ga)
*Columbia-Southern Chem Corp
Doe & Ingalls
*Dow Chem Co
►*Hooker Chem Corp
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Western Pennsylvania Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dover Chem Co
*Tracerlab Inc

p-CHLOROBENZENE SULFONYL CHLORIDE
*Diamond Alkali Co
►*Monsanto Chem Co

p-CHLOROBENZHYDROL
►*Trubek Labs
*Abbott Labs

p-CHLOROBENZHYDRYL CHLORIDE
►*Trubek Labs

p-CHLOROBENZOPHENONE
*Aldrich Chem Co
►*Trubek Labs
*Abbott Labs

4-CHLOROBENZOTRIAZOLE
*Industrial Minerals & Chem Co

5-CHLOROBENZOTRIAZOLE
*Aldrich Chem Co
*Fairmount Chem Co

o-CHLOROBENZOTRICHLORIDE
*Aldrich Chem Co
*Heyden Newport Chem Corp

p-CHLOROBENZOTRICHLORIDE
*Heyden Newport Chem Corp

o-CHLOROBENZOTRIFLUORIDE
*Aldrich Chem Co
►*Hooker Chem Corp

p-CHLOROBENZOTRIFLUORIDE
*Aldrich Chem Co
►*Hooker Chem Corp

o-CHLOROBENZOYL CHLORIDE
*Heyden Newport Chem Corp

p-CHLOROBENZOYL CHLORIDE
*Heyden Newport Chem Corp

p-CHLOROBENZOYL PEROXIDE
*Lucidol Div, Wallace & Tiernan Inc
*Cadet Chem Corp

o-CHLOROBENZYL CHLORIDE
*Antara Chem Div
*Heyden Newport Chem Corp

p-CHLOROBENZYL CHLORIDE
*Antara Chem Div
*Heyden Newport Chem Corp

p-CHLOROBENZYL CYANIDE
*Aldrich Chem Co
►*Trubek Labs
*Hexagon Labs

sym-CHLOROBROMOETHANE see Ethylene Chlorobromide

CHLOROBROMOMETHANE
*Dow Chem Co
*Michigan Chem Corp

1-CHLORO-3-BROMOPROPANE
*Michigan Chem Corp

CHLOROBUTANOL (Chloretone, Acetone Chloroform, tert.-Trichlorobutyl Alcohol)
►American-British Chem Supplies
►*Benzol Products Co
R W Greeff & Co
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Kaplop Labs

CHLOROCRESOL see Chloromethylphenol

1-CHLORODECANE see Decyl Chloride

CHLORODIFLOUROMETHANE
►*Allied Chem Corp, General Chem Div
►*American Potash & Chem Corp
►*E I duPont de Nemours & Co, "Freon" Products Div
Pennsalt Chems Corp

CHLOROETHANE see Ethyl Chloride

CHLOROETHENE see Vinyl Chloride

CHLOROETHYLENE see Vinyl Chloride

CHLOROFLUOROCARBONS
►*Allied Chem Corp, General Chem Div
*Dow Chem Co
►*E I du Pont de Nemours & Co, "Freon" Products Div
►*Hooker Chem Corp
Pennsalt Chems Corp
*Halocarbon Products Corp
*Peninsular Chem Research

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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3. p-Dichlorobenzene
4. 1,2,4-Trichlorobenzene

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CHLOROFORM (Trichloromethane, Formyl Trichloride, Methenyl Trichloride)
►*Allied Chem Corp, Solvay Process Div
American Mineral Spirits Co
►*J T Baker Chem Co
►Barclay Chem Co
*Diamond Alkali Co
*Dow Chem Co
*Fisher Scientific Co
Henley & Co
J F Henry Chem Co
Hostachem Corp
*Kolker Chem Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Matheson Coleman & Bell
Merchants Chem Co
Millmaster Chem Corp
NYQ Chem Div, S B Penick & Co
►Peerless Oil & Chem Co
William E Phillips
►*Stauffer Chem Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Frontier Chem Co

CHLOROGUANIDE HYDROCHLORIDE
*Fallek Products Co
*Metalsalts Corp
*Polychemical Labs

1-CHLOROHEXADECANE see Cetyl Chloride

CHLOROHYDRIN see 3-Chloro-1,2-Propanediol

CHLOROIODO-OXYQUINOLINE see Iodochlorohydroxyquinoline

CHLOROMALEIC ANHYDRIDE
►*Aceto Chem Co
*Metalsalts Corp
*Roberts Chems, Inc

o-CHLOROMERCURIPHENOL see o-Hydroxy Phenyl Mercuric Chloride

CHLOROFORM

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METHYL CHLORIDE
MURIATIC ACID

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Diamond Chemicals

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CHLOROMETHANE see Methyl Chloride

4-CHLORO-3-METHYLPHENOL
*Aldrich Chem Co
*Ottawa Chem Co

6-CHLORO-3-METHYLPHENOL
*Aldrich Chem Co

1-CHLORONAPHTHALENE
►Aceto Chem Co
*Eastern Chem Corp

o-CHLORO-p-NITROANILINE (2-Chloro-4-Nitroaniline)
*Ciba Co
*Dow Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Verona-Pharma Chem Corp

p-CHLORO-o-NITROANILINE (4-Chloro-2-Nitroaniline)
*Aldrich Chem Co
*Ciba Co
*Dow Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

CHLORONITROBENZENE see Nitrochlorobenzene

o-CHLORO-p-NITROPHENOL
*Aldrich Chem Co
►*Monsanto Chem Co

p-CHLORO-o-NITROPHENOL
*Aldrich Chem Co
►*Maumee Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Sandoz, Inc

1-CHLORO-1-NITROPROPANE
►*Commercial Solvents Corp

1-CHLOROPENTANE see n-Amyl Chloride

o-CHLOROPHENOL
*Dow Chem Co
►*Monsanto Chem Co

p-CHLOROPHENOL
*Dow Chem Co
►*Monsanto Chem Co

CHLOROPHENOL BLUE (Tetrachlorophenolsulfonphthalein)
*Eastern Chem Corp
*Matheson Coleman & Bell
*Hartman-Leddon Co

CHLOROPHENOL RED (Dichlorophenolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
*Matheson Coleman & Bell
*Hartman-Leddon Co

3-CHLOROPHENOTIAZINE
*R S A Corp
*Chemo Puro Mfg Corp

4-CHLORO-o-PHENYLENEDIAMINE
*Aldrich Chem Co
*Fairmount Chem Co

2-CHLORO-4-PHENYLPHENOL
*Dow Chem Co

CHLOROPHTHALIC ANHYDRIDE
►*Monsanto Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

CHLOROPHYLL (Leaf Green)
►Aceto Chem Co
►Barclay Chem Co
J H DeLamar & Son
*Fallek Products Co
R W Greeff & Co
Chas L Huisking & Co

CHLOROPICRIN (Chlorpicrin, Nitrochloroform, Nitrochloromethane, Trichloronitromethane)
M W Hardy & Co
►Peerless Oil & Chem Corp

3-CHLORO-1,2-PROPANEDIOL (3-Chloropropylene Glycol; Chlorohydrin)
*Atlas Powder Co, Chems Div
*R S A Corp
*Chemo Puro Mfg Corp *Roberts Chems, Inc
*Naugatuck Chem Div

1-CHLORO-2-PROPANOL see Propylene Chlorohydrin

β-CHLOROPROPIONITRILE
►*Monsanto Chem Co
*Kaplop Labs *Magnuson Products Corp

3-CHLOROPROPYL ACETATE
*Kaplop Labs

α-CHLOROPROPYLENE see Allyl Chloride

3-CHLOROPROPYLENE GLYCOL see 3-Chloro-1,2-Propanediol

CHLOROPROPYLENE OXIDE see Epichlorohydrin

6-CHLOROPURINE
*Aldrich Chem Co
*Edcan Labs

2-CHLOROPYRIDINE
*Aldrich Chem Co
*Fairmount Chem Co *Nepera Chem Co
*Hexagon Labs

4-CHLOROPYRIDINE-N-OXIDE
*Aldrich Chem Co
*Beacon Chem Industries

2-CHLOROQUINOLINE
*Aldrich Chem Co
*Electro Organic Corp *Fairmount Chem Co

4-CHLORORESORCINOL
*Aldrich Chem Co

CHLOROSILANES
*Dow Corning Corp
*Union Carbide Corp, Silicones Div
*Anderson Chem Co *Peninsular ChemResearch

α-CHLOROSTYRENE
►*Borden Chem Co

o-CHLOROSTYRENE
►*Borden Chem Co

p-CHLOROSTYRENE
►*Borden Chem Co

N-CHLOROSUCCINIMIDE
►*Allied Chem Corp, National Aniline Div
Millmaster Chem Corp

2-CHLOROTHIOPHENE
Fisher Chem Co
*R S A Corp
*Gamma Chem Corp *Kaplop Labs

p-CHLOROTHIOPHENOL
*Eastern Chem Corp
►*Evans Chemetics

CHLOROTHYMOL
*NYQ Chem Div, S B Penick & Co

α-CHLOROTOLUENE see Benzyl Chloride

o-CHLOROTOLUENE
*Heyden Newport Chem Corp

p-CHLOROTOLUENE
*Heyden Newport Chem Corp

CHLOROTOLUENES, MIXED
►*Benzol Products Co
Fallek Products Co
►*Hooker Chem Corp

5-CHLORO-o-TOLUIDINE
*Hilton-Davis Chem Co Div
►*Kopper Co, Chems & Dyestuffs Div
*Pfister Chem Works
*E I du Pont de Nemours & Co, Dyes & Chem Div *Francolor, Inc

CHLOROTRIFLUOROETHYLENE
►*Allied Chem Corp, General Chem Div
Matheson Co

CHLOROTRIFLUOROMETHANE
►*Allied Chem Corp, General Chem Div
►*E I duPont de Nemours & Co, "Freon" Products Div
Matheson Co
*Pensalt Chems Corp

p-CHLORO-m-XYLENOL
*Ottawa Chem Co
Riches-Nelson, Inc
Whittaker, Clark & Daniels

CHLOROXYMETHYLBENZENE see Chloromethylphenol

CHLORYLENE see Trichloroethylene

CHOLEPYRRHIN see Bilirubin

CHOLESTEROL
*Aldrich Chem Co
Armour Pharmaceutical Co
*Croda, Inc
Fallek Products Co
R W Greeff & Co
Henley & Co
Pfaltz & Bauer, Inc
Pfanstiehl Labs
RITA Chem Corp
*Vitamins, Inc
*Collett-Week Corp *Robinson, Wagner Co
*Riverside Chem Co

CHOLINE BICARBONATE
►*Commercial Solvents Corp
*Hoffman Labs
*NYQ Chem Div, S B Penick & Co
*Biorganic Labs *Simpson Labs
*Meta Chem Corp

CHOLINE BITARTRATE
►*American Cyanamid, Fine Chems Dept
R W Greeff & Co
*Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
George Uhe Co
*Winthrop Labs
*Biorganic Labs *Roselle Labs
*Meta Chem Corp *Simpson Labs

CHOLINE BROMIDE
*Hoffman Labs
*NYQ Chem Div, S B Penick & Co
*Biorganic Labs *Roselle Labs
*Meta Chem Corp *Simpson Labs

CHOLINE CHLORIDE
►Baird Chem Industries, Inc
►*Commercial Solvents Corp
Dawes Labs
*Fallek Products Co
Gane & Ingram
R W Greeff & Co
*Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
►*Rohm & Haas Co
*Thompson-Hayward Chem Co
George Uhe Co
►*U S Industrial Chem Co Div
Vitamins, Inc
*Biorganic Labs *Roselle Labs
*Chemo Puro Mfg Corp *Simpson Labs
*Meta Chem Corp *U S Oils & Chems

CHOLINE COMPOUND (Sincaline, Billneurine, Amanitine, Gossypine, Vidine, Bursine, Luridine, Fagine.)
►*Commercial Solvents Corp
J H DeLamar & Son
*Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*R S A Corp
*Biorganic Labs *Roselle Labs
*Chemo Puro Mfg Corp

CHOLINE DIHYDROGEN CITRATE
►*American Cyanamid Co, Fine Chems Dept
*Fallek Products Co
R W Greeff & Co
*Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
George Uhe Co
*Winthrop Labs
*Biorganic Labs *Roselle Labs
*Meta Chem Corp *Simpson Labs

CHOLINE GLUCONATE
R W Greeff & Co
*Hoffman Labs
*Biorganic Labs *Roselle Labs
*Meta Chem Corp *Simpson Labs

CHONDRUS see Irish Moss

CHROME ALUM see Alum, Potash Chrome

HC
Specialists in the manufacture of a *Complete Line* of choline and betaine salts
Hoffman Laboratories, Inc.
SPRINGFIELD, MO.

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

CHROME GREENS
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
Filo Color & Chem Corp
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Mineral Pigments Corp
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Smith Chem & Color Co
*California Ink Co
*Imperial Color Chem & Paper Corp
*Minnesota Mining & Mfg Co, Chem Div
*Western Dry Color Co

CHROME IRON ORE see Chromite

CHROME ORANGES
*American Cyanamid Co, Pigments Div
Filo Color & Chem Corp
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Mineral Pigments Corp
►*Reichhold Chems, Inc
Revelli Chems, Inc
*Sherwin-Williams Co
*California Ink Co
*E I du Pont de Nemours & Co, Pigments Dept
*Imperial Color Chem & Paper Corp
*Western Dry Color Co

CHROME TANNING
►*Allied Chem Corp, Solvay Process Div
*Diamond Alkali Co
*Fiber Chem Corp

CHROME YELLOWS—see also Lead Chromate
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
Filo Color & Chem Corp
Harwick Standard Chem Co
Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Mineral Pigments Corp
►*Reichhold Chems, Inc
Revelli Chems, Inc
*Sherwin-Williams Co
Smith Chem & Color Co
Tar Residuals
*E I du Pont de Nemours & Co, Pigments Dept
*Imperial Color Chem & Paper Corp
*Fred'k H Levey Co
*Western Dry Color Co

CHROMIC ANHYDRIDE see Acid, Chromic

CHROMITE (Chrome, Chrome Ore, Ferrochromite, Chrome Iron Stone)
►*Foote Mineral Co
International Selling Corp

CHROMIUM ACETATE (ic)
►*J T Baker Chem Co
*Filo Color & Chem Corp
Millmaster Chem Corp
*Jacques Wolf & Co
*Glover M Birk
*Fiber Chem Corp

CHROMIUM ACETYLACETONATE
►*Aceto Chem Co
City Chem Corp
*Fiber Chem Corp
*MacKenzie Chem Works

CHROMIUM AMMONIUM SULFATE see Alum, Ammonium Chrome

CHROMIUM BORIDE
*Var-Lac-Old Chem Co
*Union Carbide Metals Co

CHROMIUM CHLORIDE (ic) (Chromium Sesquichloride)
►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Solvay Process Div
►*J T Baker Chem Co
City Chem Corp
*Diamond Alkali Co
*Harshaw Chem Co
Pfaltz & Bauer, Inc
*Var-Lac-Old Chem Co
*Glover M Birk
*Fiber Chem Corp

CHROMIUM FLUORIDE (ous)
City Chem Corp
*Harshaw Chem Co
*Mallinckrodt Chem Works

CHROMIUM FLUORIDE (ic)
►*Allied Chem Corp, General Chem Div
►Berkshire Chems Inc
*Harshaw Chem Co
Pfaltz & Bauer, Inc
*Fiber Chem Corp

CHROMIUM FORMATE
*City Chem Corp
*Fiber Chem Corp

CHROMIUM HYDROXIDE (ic)
Filo Color & Chem Corp
*C K Williams & Co
*Imperial Color Chem & Paper Corp

CHROMIUM, METAL
*Belmont Smelting & Refining Works
►*Foote Mineral Co
►*Metal & Thermit Corp
*Var-Lac-Old Chem Co
*Bram Metal-Chem Co
*Manganese Chems Corp
*Crucible Steel Co
*Union Carbide Metals Co

CHROMIUM NAPHTHENATE
*Advance Solvents & Chem Div
*Shepherd Chem Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

CHROMIUM NITRATE
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*Fiber Chem Corp

CHROMIUM OLEATE
*Harshaw Chem Co
*Shepherd Chem Co
*Troy Chem Co

CHROMIUM OXIDE (ic) (Oil Green, Chromium Sesquioxide, Green Cinnabar)
►*J T Baker Chem Co
►Barclay Chem Co
Filo Color & Chem Corp
Harshaw Chem Co
*McGean Chem Co
*Mineral Pigments Corp
Smith Chem & Color Co
Whittaker, Clark & Daniels
*C K Williams & Co
*California Ink Co
*Fiber Chem Corp
*Imperial Color Chem & Paper Corp

CHROMIUM OXYCHLORIDE
►*Allied Chem Corp, General Chem Div
*Fiber Chem Corp

CHROMIUM PERCHLORATE
*G Frederick Smith Chem Co

CHROMIUM PHOSPHATE
*City Chem Corp
*Mineral Pigments Corp
*Shepherd Chem Co
*Imperial Color Chem & Paper Corp

CHROMIUM POTASSIUM SULFATE see Alum, Potash Chrome

CHROMIUM POWDER
*Belmont Smelting & Refining Works
*Var-Lac-Old Chem Co
*Bram Metal-Chem Co

CHROMIUM SESQUICHLORIDE see Chromium Chloride (ic)

CHROMIUM SESQUIOXIDE see Chromium Oxide (ic)

CHROMIUM STEARATE
*Shepherd Chem Co

CHROMIUM SULFATE (ic) (Wool Mordant)
►*J T Baker Chem Co
*Mallinckrodt Chem Works
►*Monsanto Chem Co
*Glover M Birk
*Fiber Chem Corp

CHROMIUM TRIOXIDE see Acid, Chromic

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

COLUMBIA-SOUTHERN®
ESSENTIAL
INDUSTRIAL
CHEMICALS

CHROME CHEMICALS

Soda Ash • Liquid Chlorine • Caustic Soda • Hi-Sil® • Calcene® • Silene®
Calcium Chloride • Chrome Chemicals • Soda Briquettes • Modified Sodas
Caustic Potash • Pittchlor® • Caustic Ash • Pacific Crystals • Ammonia
Phosflake® • Perchlorethylene • Chlorinated Benzenes • Muriatic Acid
Benzene Hexachloride • Titanium Tetrachloride • Carbon Tetrachloride
Hydrogen Peroxide • Trichlorethylene • Barium Carbonate • Barium Oxide
Barium Chloride • Carbon Bisulfide • Sodium Sulfide • Sodium Sulfhydrate
Sodium Bicarbonate • Ammonium Sulfide

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY
ONE GATEWAY CENTER · PITTSBURGH 22 · PENNSYLVANIA

DISTRICT OFFICES: Cincinnati • Charlotte • Chicago • Cleveland
Boston • New York • St. Louis • Minneapolis • New Orleans
Dallas • Houston • Pittsburgh • Philadelphia • San Francisco
IN CANADA: Standard Chemical Limited

CHROMYL CHLORIDE see Chromium Oxychloride

CHRYSAROBIN
►Aceto Chem Co

CHRYSENE (1,2-Benzphenanthrene)
*Edcan Labs

CHRYSOTILE see Asbestos, Serpentine

CINCHONIDINE
*Aldrich Chem Co
R W Greeff & Co
Chas L Huisking & Co
*NYQ Chem Div, S B Penick & Co

CINCHONINE
►*J T Baker Chem Co
R W Greeff & Co
Chas L Huisking & Co

CINCHOPHEN (Phenylcinchoninic Acid, 2-Phenylquinoline-4-Carboxylic Acid, Quinophan, Phenoquin, Argotan)
*NYQ Chem Div, S B Penick & Co

CINEOLE see Eucalyptol

CINNABAR, ARTIFICIAL see Mercury Sulfide, Red

CINNAMIC ACETATE
Florasynth Labs
*Givaudan
S B Penick & Co
*Felton Chem Co

CINNAMIC ALDEHYDE
Florasynth Labs
*Givaudan
R W Greeff & Co
George Lueders & Co
S B Penick & Co
*Dodge & Olcott
*Felton Chem Co
*Marine Products Co
*Rhodia, Inc

CINNAMIC BUTYRATE
Florasynth Labs
*Givaudan
S B Penick & Co
*Felton Chem Co

CINNAMIC FORMATE
Florasynth Labs
*Givaudan
S B Penick & Co
*Felton Chem Co

CINNAMIC PROPIONATE
Florasynth Labs
*Givaudan
S B Penick & Co
*Felton Chem Co
*Polak's Frutal Works

CINNAMOYL CHLORIDE
►*Benzol Products Co
►*Trubek Labs

CITRAL
*Aldrich Chem Co
Florasynth Labs
*Givaudan
*George Lueders & Co
S B Penick & Co
*Felton Chem Co
*Fritzsche Bros
*Glidden Co
*Hoffmann-LaRoche
*Polak's Frutal Works
*R D Webb & Co

CITRIC ESTERS
*Chas Pfizer & Co
*Felton Chem Co

CITRONELLAL
Florasynth Labs
*Givaudan
*S B Penick & Co
*Dodge & Olcott
*Felton Chem Co
*Fritzsche Bros
*Glidden Co
*Polak's Frutal Works

CITRONELLOL
*Aldrich Chem Co
Florasynth Labs
*Givaudan
*George Lueders & Co
S B Penick & Co
*Van Amerigen-Haebler Div
*Dodge & Olcott
*Fritzsche Bros
*Glidden Co
*Polak's Frutal Works
*Rhodia, Inc

CITRON, YELLOW see Zinc Potassium Chromate

CIVET, NATURAL
Florasynth Labs
George Lueders & Co
*Felton Chem Co

CLAYS, ACTIVATED
►*Davison Chem Co Div
►*Minerals & Chem Corp of America
►Peerless Oil & Chem Corp
L A Salomon & Bro
*Diversey Corp
*Eagle Chem Co
*Filtrol Corp
*Floridin Co

CLAYS, BALL
*Georgia Kaolin Co
Whittaker, Clark & Daniels
*Illinois Minerals Co

CLAYS, BLEACHING
*Georgia Kaolin Co
►*Minerals & Chem Corp of America
L A Salomon & Bro
*Filtrol Corp
*Floridin Co

CLAYS, CALCINED
*Georgia Kaolin Co
►*Minerals & Chem Corp of America
►*Stauffer Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
►*Wyandotte Chem Corp
*Consolidated Chem Industries
*Floridin Co
*Mexico Refractories Co

CLAYS, CERAMIC
*Georgia Kaolin Co
*J M Huber Corp
►*Minerals & Chem Corp of America
Whittaker, Clark & Daniels
*Illinois Clay Products
*Illinois Minerals Co
*Thomas Alabama Kaolin
*R T Vanderbilt Co
*Zonolite Co

CLAYS, CHINA (Kaolin, Bolus Alba, Argilla, White Bole, Porcelain Clay, Cornish Clay, Pipe Clay, Porcelain Earth)
Charles B Chrystal Co
*Georgia Kaolin Co
*J M Huber Corp
E & F King & Co
►*Minerals & Chem Corp of America
L A Salomon & Bro
*Smith Chem & Color Co
Charles A Wagner Co
Whittaker, Clark & Daniels
*Industrial Minerals & Chem Co
*Southeastern Clay Co
*Thomas Alabama Kaolin
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, COATING
*Baroid Chems
*Georgia Kaolin Co
*J M Huber Corp
►*Minerals & Chem Corp of America
*Baroid Div, National Lead Co
*Illinois Clay Products Co
*Mexico Refractories Co
*Thomas Alabama Kaolin
*R T Vanderbilt Co

CLAYS, COLLOIDAL
*American Colloid Co
*Baroid Chems
Charles B Chrystal Co
►*Davison Chem Co Div
*Inerto Co
*International Minerals & Chem Corp, Eastern Clay Products Dept
►*Minerals & Chem Corp of America
L A Salomon & Bro
Charles A Wagner Co
Whittaker, Clark & Daniels
Baroid Div, National Lead Co
*Floridin Co
*Thomas Alabama Kaolin Co
*R T Vanderbilt Co

CLAYS, CRUCIBLE
*Georgia Kaolin Co
*Illinois Clay Products Co
*Illinois Minerals Co
*Thomas Alabama Kaolin
*R T Vanderbilt Co

CLAYS, CRUDE POT
*Georgia Kaolin Co
*Thomas Alabama Kaolin Co

CLAYS, ENAMELERS'
*Georgia Kaolin Co
*J M Huber Corp
Whittaker, Clark & Daniels

CLAYS, FILLER
Charles B Chrystal Co
*Georgia Kaolin Co
Harwick Standard Chem Co
*J M Huber Corp
►*Minerals & Chem Corp of America
►Peerless Oil & Chem Corp
L A Salomon & Bro
*Smith Chem & Color Co
Charles A Wagner Co
*American Lignite Products
*Baroid Div, National Lead Co
*Commercial Minerals Co
*Southeastern Clay Co
*Thomas Alabama Kaolin
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, FIRE
*Georgia Kaolin Co
*International Minerals & Chem Corp, Eastern Clay Products Dept
*Illinois Clay Products Co
*Ironton Fire Brick Co
*Mexico Refractories Co
*Thomas Alabama Kaolin

CLAYS, FOUNDRY
*American Colloid Co
*Baroid Chems
*Georgia Kaolin Co
*International Minerals & Chem Corp, Eastern Clay Products Dept
(Continued)

For Precision castings

Foundrymen

rely on . . .

Petro Bond*

a formulated bonding agent that bonds sand with the use of *oil* instead of *water.*

NATIONAL* Western Bentonite

a sand bond that produces finer finished castings of all metals: malleable iron, gray iron, steel, brass, aluminum, magnesium.

Barabond*

one of the strongest bonding clays known to the foundry industry . . . produces a molding sand both smooth and soft with good flowability.

* Registered Trademark of National Lead Company

BAROID

BAROID CHEMICALS, INC.

A Subsidiary of National Lead Company

1809 South Coast Bldg. Houston 2, Texas

5975

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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FOR
FUNCTIONAL PIGMENTS
SILICA • TALC • CLAYS
CALCIUM CARBONATE
also
COLORS
WHITTAKER
Whittaker, Clark & Daniels, Inc.
100 Church St., New York, N. Y.

CLAYS
Kaolin Clays for rubber reinforcing, paper (filling and coating), ceramics, pesticide diluents, paints, adhesives.
CARBON BLACKS
Furnace and channel grades, for rubber, paints, plastics, inks.
CHEMICALS
Zeolex Reinforcing pigments. Turgum S, Natac, Butac (Resin-Acid Softeners). Aktone (Accelerator Activator)
HUBER *Developers & Converters of Natural Resources*
J. M. Huber Corporation
630 Third Ave., N.Y. 17, N.Y.

GEORGIA KAOLIN Clays
provide the widest
selection of grades available

Georgia Kaolin Company produces kaolin clays for paper, ceramics, paint, ink, plastics, rubber and other process industries in great variety. GK Kaolin clays are selectively mined hydrated aluminum silicates, water-washed and processed to carefully-controlled particle-size distributions by centrifugal-fractionation techniques. GK maintains close uniformity in each of our many grades, giving our customers control of the qualities of the end products in which these clays are used. Typical types of GK clay available include:

HYDRITE KAOLINITES are produced in eleven different grades, comprising a versatile group of fillers, extenders and pigments. They are chemically inert, light in color and virtually free of impurities.

GLOMAX Calcined Clays—the calcining of the hydrated aluminum silicates gives a number of unique properties including increased brightness, color improvement and a higher refractive index. The several grades of Glomax are recommended for use in paints, rubber, plastics and other phases of the chemical processing industries.

REA RESIN-TREATED CLAYS — these surface modified pigments impart greatly improved compatibility in organic systems, reduced viscosities in clay-resin mixtures, and permit optimum filler loadings in various resin systems. They do not affect pot life or cure time of resins.

Other types of clays specially designed for the paper and ceramic industry are also available.

GK
Whatever your requirements for Kaolin clays, our Sales Service Division is prepared to aid you in the improvement of your formulations.
GEORGIA KAOLIN COMPANY
513 Pennsylvania Ave., Elizabeth, N. J.

CLAYS, FOUNDRY (continued)

*Baroid Div, National Lead Co
*Illinois Clay Products Co
*Illinois Minerals Co
*Ironton Fire Brick Co
*Thomas Alabama Kaolin

CLAYS, HIGH ALUMINA

*Georgia Kaolin Co
►*Minerals & Chem Corp of America
*Filtrol Corp
*Mexico Refractories Co
*Southeastern Clay Co
*Thomas Alabama Kaolin Co
*R T Vanderbilt Co

CLAYS, INSECTICIDAL DUSTING

*American Colloid Co
Charles B Chrystal Co
*J M Huber Corp
*Inerto Co
►*Minerals & Chem Corp of America
L A Salomon & Bro
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
*American Lignite Products
*Commercial Minerals Co
*Diversey Corp
*Filtrol Corp
*Floridin Co
*Southeastern Clay Co
*Thomas Alabama Kaolin
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, PAPERMAKERS'

*Baroid Chems
*Georgia Kaolin Co
*J M Huber Corp
►*Minerals & Chem Corp of America
William E Phillips
L A Salomon & Bro
*Baroid Div, National Lead Co
*Thomas Alabama Kaolin
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, POTTERYMAKERS'

*Georgia Kaolin Co
*J M Huber Corp
►*Minerals & Chem Corp of America
Whittaker, Clark & Daniels
*Illinois Minerals Co
*Thomas Alabama Kaolin
*R T Vanderbilt Co

CLAYS, PULVERIZED AIRFLOATED

*American Colloid Co
Charles B Chrystal Co
*Georgia Kaolin Co
*J M Huber Corp
►*Minerals & Chem Corp of America
L A Salomon & Bro
Charles A Wagner Co
Whittaker, Clark & Daniels
*Commercial Minerals Co
*Floridin Co
*Southeastern Clay Co
*Thomas Alabama Kaolin
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, REFRACTORY

*Georgia Kaolin Co
*J M Huber Corp
*International Minerals & Chem Corp, Eastern Clay Products Dept
Whittaker, Clark & Daniels
*Illinois Clay Products Co
*Illinois Minerals Co
*Industrial Minerals & Chem Co
*Ironton Fire Brick Co
*Mexico Refractories Co
*Thomas Alabama Kaolin
*R T Vanderbilt Co

CLAYS, RUBBERMAKERS'

*Georgia Kaolin Co
Harwick Standard Chem Co
*J M Huber Corp
►*Minerals & Chem Corp of America
Whittaker, Clark & Daniels
*Southeastern Clay Co
*Thomas Alabama Kaolin Co
*Thompson, Weinman & Co
*R T Vanderbilt Co

CLAYS, SAGGER

*Georgia Kaolin Co
*J M Huber Corp
Whittaker, Clark & Daniels
*Thomas Alabama Kaolin
*R T Vanderbilt Co

CLAYS, SLIP, ALBANY TYPE

*Hammill & Gillespie, Inc

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

CLAYS, TEXTILE

*Georgia Kaolin Co
*J M Huber Corp
L A Salomon & Bro
*R T Vanderbilt Co

CLAYS, WASHED

Charles B Chrystal Co
*Georgia Kaolin Co
Harwick Standard Chem Co
*J M Huber Corp
Kraft Chem Co
►*Minerals & Chem Corp of America
Whittaker, Clark & Daniels

CLEANERS

*American Oil & Supply Co
*Antara Chem Div
*Bonewitz Chem
*Columbia-Southern Chem Corp
*Cowles Chem Co
*Diamond Alkali Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►M Michel & Co
*Olin Mathieson Chem Corp, Industrial Chems
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
*Rumford Chem Works
*Union Carbide Chems Co
►*Wyandotte Chem Corp

*Adhesive Products Corp
*Aetna Color & Chem Co
*Afta Solvents Corp
*American Finish & Chem Co
*An-Fo Mfg Co
*Arol Chem Products
*Barco Chem Products
*Bell-Ray Chem Corp
*Bernard Chem Products
*Britex Corp
*Chemical Compounding Corp
*Columbia Wax Co
*Davies-Young Soap Co
*Detrex Chem Industries
*DuBois Co
*E I du Pont de Nemours & Co, Electrochem Dept
*B R Elk & Co
*Essential Chem Co
*Fermco Labs
*Fuld Bros
*Hagan Chem & Controls
*Kano Labs
*Klem Chem
*Lorenz Chem Co
*Magnuson Products Corp
*L Carlton Mertz Co
*Mona Industries
*Oakite Products
*Octagon Process, Inc
*Penetone Co
*Procter & Gamble Co
*Rubba, Inc
*S & S Soap Co
*E W Smith Chem Co
*Special Chems Corp
*Uncle Sam Chem Co
*Universal Detergents
*Wye Industries
*Zeen Chem Corp
*Zophar Mills

COAL TAR see Tar, Coal

COAL-TAR CHEMICALS

►American-British Chem Supplies
*American Oil & Supply Co
*Antara Chem Div
Browning Chem Corp
Chemical Solvents, Inc
*Geigy Dyestuffs Div
*Givaudan
M W Hardy & Co
Henley & Co
►*Koppers Co, Chems & Dyestuffs Div
*NYQ Chem Div, S B Penick & Co
*Neville Chem Co
*Nitrogen Products, Inc
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
L Sonneborn Sons
Thompson-Hayward Chem Co

*Atlantic Chem Corp
*Colorado Fuel & Iron Corp
*Coopers Creek Chem Corp
*Crowley Tar Products Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Nyanza Color & Chem Co
*Peerless Color Co
*United States Steel Corp

COAL TREATING COMPOUNDS

►*Allied Chem Corp, National Aniline Div
*Esso Standard Oil Co
*Michigan Chem Corp
►*Wyandotte Chem Corp
*Mona Industries
*National Aluminate Corp

COATINGS, ACIDPROOF

►*Allied Chem Corp, Barrett Div
*Better Finishes & Coatings
►*Borden Chem Co
*Dow Chem Co
*Esso Standard Oil Co
►*Monsanto Chem Co
*Pennsalt Chems Corp
*Pennsylvania Industrial Chem Corp
►*Philadelphia Quartz Co
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
*Sherwin-Williams Co
►*Witco Chem Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Atlas Mineral Products
*Carboline Co
*Ceilcote Co
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Chemical Products Corp (RI)
*Coopers Creek Chem Corp
*Dampney Co
*Devcon Corp
*Flintkote Co
*Benjamin Foster Co
*Furane Plastics
*Glidden Co
*Hadley Bros-Uhl Co
*H V Hardman Co
*Heresite & Chem Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Lithcote Corp
*Maas & Waldstein Co
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*Monroe Sander Corp
*Penetone Co
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Pyroxylin Products
*Reynolds Chem Products Co
*Rubba, Inc
*Rubber Corp of America
*Sauereisen Cements Co
*United States Petrochem Co
*Varniton Co
*G S Ziegler & Co
*Zophar Mills

COATINGS, ALKALIPROOF

►*Allied Chem Corp, Barrett Div
►*Borden Chem Co
*Dow Chem Co
*Esso Standard Oil Co
►*Monsanto Chem Co
*Pennsalt Chems Corp
*Pennsylvania Industrial Chem Co
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
►*Witco Chem Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Atlas Mineral Products Co
*Carboline Co
*Ceilcote Co
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Chemical Products Corp (RI)
*Coopers Creek Chem Corp
*Dampney Co
*Devcon Corp
*Flintkote Co
*Benjamin Foster Co
*Furane Plastics
*Glidden Co
*Hadley Bros-Uhl Co
*H V Hardman Co
*Heresite & Chem Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Lithcote Corp
*Maas & Waldstein Co
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*Monroe Sander Corp
*National Starch & Chem Corp
*Penetone Co
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Pyroxylin Products
*Reynolds Chem Products Co
*Rubba, Inc
*Sauereisen Cements Co
*United States Petrochem Co
*Varniton Co
*G S Ziegler & Co
*Zophar Mills

COATINGS, CORROSION CONTROL

►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chem Div
►*Allied Chem Corp, Solvay Process Div
*American Oil & Supply Co
*Better Finishes & Coatings
►*Borden Chem Co
*Dow Chem Co
*Esso Standard Oil Co
*Johns-Manville
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*Pennsalt Chems Corp
►*Philadelphia Quartz Co
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
*Sherwin-Williams Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
►*Witco Chem Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Amchem Products
*American Grease Stick Co
*American Lignite Products
*American Products Mfg Co
*Atlas Mineral Products Co
*Carboline Co
*Ceilcote Co
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Chemical Intermediates & Research Labs
*Chemical Products Corp (RI)
*Chemical Research & Intermediates Labs
*Coopers Creek Chem Corp
*Dacar Chem Products
*Dampney Co
*Detrex Chem Industries
*Devcon Corp
*DuBois Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Eagle-Picher Co
*Eureka Chem Co
*Flintkote Co
*Benjamin Foster Co
*Furane Plastics
*Glidden Co
*Hadley Bros-Uhl Co
*Hagan Chem & Controls
*H V Hardman Co
*Heresite & Chem Co
*Inertol Co
*Interchem Corp, Finishes Div
*Kano Labs
*Krylon, Inc
*Lithcote Corp
*Maas & Waldstein Co
*Harry Miller Corp
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div

(Continued)

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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Naphthenate—Octate—Resinate

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Cadmium Yellows—Reds

CERAMIC COLORS

Porcelain Enamel—Glass Decorating
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Lead Peroxides—Sodium Arsenite

THE SHEPHERD CHEMICAL COMPANY

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COATINGS, CORROSION CONTROL (continued)

*Monroe Sander Corp
*National Starch & Chem Corp
*Oakite Products
*Penetone Co
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Pyroxylin Products
*Reilly-Whiteman-Walton Co
*Reynolds Chem Products Co
*Rubba, Inc
*Rubber Corp of America
*Rust-Oleum Corp
*Sauereisen Cements Co
*E W Smith Chem Co
*United States Petrochem Co
*Varniton Co
*Zophar Mills

COATINGS, FIREPROOF

►*Borden Chem Co
*Dow Chem Co
►*Philadelphia Quartz Co
*Sherwin-Williams Co
*Adhesive Products Corp
*Allied Finishing Specialties Co
*Amchem Products
*Chemical Coatings & Engrg Co
*Benjamin Foster Co
*Furane Plastics
*Glidden Co
*Illinois Clay Products Co
*J Landau & Co
*National Starch & Chem Corp
*Riverside Chem Co
*Rubba, Inc
*Sauereisen Cements Co
*Zophar Mills

COATINGS, OILPROOF

►*Borden Chem Co
*Burtonite Co
*Dow Chem Co
*Esso Standard Oil Co
►*Monsanto Chem Co
►*Philadelphia Quartz Co
*Sherwin-Williams Co
*Adhesive Products Corp
*Allied Finishing Specialties Co
*Amchem Products
*Atlas Mineral Products
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div, Fabrics
*Benjamin Foster Co
*Furane Plastics
*Flintkote Co
*H V Hardman Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Major Chem & Latex Corp
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*Monroe Sander Corp
*National Starch & Chem Corp
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Pyroxylin Products
*Rubba, Inc
*Sauereisen Cements Co
*United States Petrochem Co
*Varniton Co

COATINGS, WATERPROOF

►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chem Div
*American Oil & Supply Co
*Better Finishes & Coatings
►*Borden Chem Co
*Croda, Inc
*Dow Chem Co
*Esso Standard Oil Co
Industrial Raw Materials Corp
*Johns-Manville
►*Monsanto Chem Co
*Pennsylvania Industrial Chem Corp
►*Philadelphia Quartz Co
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*Union Carbide Corp, Silicones Div
►*Witco Chem Co
*Adhesive Products Corp
*Alco Oil & Chem Corp
*Allied Finishing Specialties Co
*Amchem Products
*American Lignite Products
*American Products Mfg Co
*Bryant Chem Corp
*Carboline Co
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Chemical Intermediates & Research Labs
*Chemical Products Corp (RI)
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div, Fabrics
*Eagle-Picher Co
*Flintkote Co
*Benjamin Foster Co
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*Goodyear Tire & Rubber Co, Chem Div
*H V Hardman Co
*Inertol Co
*Interchem Corp, Finishes Div
*Krylon, Inc
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*Maas & Waldstein Co
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*National Starch & Chem Corp
*Oil & Chem Products
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Pyroxylin Products
*Raffi & Swanson
*Reynolds Chem Products
*Riverside Chem Co
*Rubba, Inc
*Rubber Corp of America
*Rust-Oleum Corp
*Sauereisen Cements Co
*Schenectady Varnish Co
*Sullivan Co
*United States Petrochem Co
*Varniton Co
*G S Ziegler & Co
*Zophar Mills

COBALAMIN CONCENTRATE

*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
Vitamins, Inc

COBALT ACETATE(ous)

►*J T Baker Chem Co
►Berkshire Chems Inc
*Harshaw Chem Co
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Shepherd Chem Co
►*Vitro Rare Metals Co
►*Witco Chem Co
*Fred'k A Stresen-Reuter

COBALT AMMONIUM SULFATE

*Shepherd Chem Co

COBALT BLACK see Cobalt Oxide

COBALT BLUE (Azure Blue, Cobalt Ultramarine, King's Blue, Leyden Blue, Thénard's Blue)

*American Cyanamid Co, Pigments Div
Harwick Standard Chem Co
*Shepherd Chem Co
*Landers-Segal Color Co

COBALT BROMIDE, ANHYDROUS

*City Chem Corp
*Fisher Scientific Co

COBALT CARBONATE (Anhydrous Cobaltous Carbonate)

►*J T Baker Chem Co
►Berkshire Chems Inc
*Harshaw Chem Co
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Nuodex Products Co
*Shepherd Chem Co
Thompson-Hayward Chem Co
►*Vitro Rare Metals Co
*Ferro Chem Corp
*Fred'k A Stresen-Reuter
*Whitmoyer Labs

COBALT CARBONATE, BASIC

McKesson & Robbins, Inc, Chem Dept
*Shepherd Chem Co

COBALT CHLORIDE, ANHYDROUS (Cobaltous Chloride)

►*J T Baker Chem Co
Bonewitz Chem
*Harshaw Chem Co
*McGean Chem Co
*Shepherd Chem Co

COBALT CHROMATE (Cobaltous Chromate)

*Shepherd Chem Co
*Fiber Chem Corp

COBALT CITRATE

*City Chem Corp
*Shepherd Chem Co

COBALT CYANIDE

*Shepherd Chem Co

COBALT 2-ETHYLHEXOATE (Cobalt Octoate)

*Advance Solvents & Chem Div
*Carlisle Chem Works
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Chase Chem Corp
*Ferre Chem Corp
*Fred'k A Stresen-Reuter
*Troy Chem Co

COBALT ETHYLENEDIAMINE DISODIUM TETRAACETATE

*Shepherd Chem Co

COBALT FLUORIDE (ic)

*City Chem Corp
*Harshaw Chem Co

COBALT FLUORIDE (ous)

*Harshaw Chem Co
*Shepherd Chem Co

COBALT HYDRATE (ic) (Cobaltic Hydroxide)

►Berkshire Chems Inc
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Shepherd Chem Co
►*Vitro Rare Metals Co
►*Witco Chem Co
*Fred'k A Stresen-Reuter

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COBALT HYDRATE (ous) (Cobaltous Hydroxide)
*Harshaw Chem Co
*Fred'k A Stresen-Reuter

COBALT IODIDE, ANHYDROUS
*City Chem Corp
Clearbrook Chem Co

COBALT LINOLEATE (Cobaltous Linoleate)
*Harshaw Chem Co
*Hilton-Davis Chem Co Div
*McGean Chem Co
*Shepherd Chem Co
*Fred'k A Stresen-Reuter *Troy Chem Co

COBALT, METAL
*Belment Smelting & Refining Works
►Foote Mineral Co
Intra Continental Export Co
*Bram Metal-Chem Co *International Nickel Co
*Crucible Steel Co

COBALT MOLYBDATE
*City Chem Corp
Millmaster Chem Corp
*S W Shattuck Chem Co

COBALT NAPHTHENATE
*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Oronite Chem Co
*Shepherd Chem Co
►*Witco Chem Co
*California Ink Co *Fred'k A Stresen-Reuter
*Chase Chem Corp *Triangle Chem Co
*Ferro Chem Corp *Troy Chem Co
*Leffingwell Chem Co

COBALT NITRATE (Cobaltous Nitrate)
►*J T Baker Chem Co
*Fisher Scientific Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*McGean Chem Co
Millmaster Chem Corp
*Shepherd Chem Co

COBALT OLEATE (Cobaltous Oleate)
*Advance Solvents & Chem Div
*Carlisle Chem Works
*Shepherd Chem Co
*Leffingwell Chem Co *Troy Chem Co
*Fred'k A Stresen-Reuter

COBALT OXALATE
*City Chem Corp
*Shepherd Chem Co

COBALT OXIDE (ic) (Cobalt Black)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
Browning Chem Corp
*Harshaw Chem Co
*McGean Chem Co
*Var-Lac-Oid Chem Co

COBALT OXIDE (ous) (Cobalt Monoxide)
*Harshaw Chem Co
*McGean Chem Co
*Var-Lac-Oid Chem Co

COBALT PERCHLORATE (Cobaltous Perchlorate)
*G Frederick Smith Chem Co

COBALT PHOSPHATE
Bonewitz Chem
*McGean Chem Co
*Shepherd Chem Co

COBALT RESINATE (Cobaltous Resinate)
*Harshaw Chem Co
*Hilton-Davis Chem Co Div
*McGean Chem Co
*Shepherd Chem Co
*Fred'k A Stresen-Reuter *Troy Chem Co

COBALT SELENITE
*City Chem Corp
*Var-Lac-Oid Chem Co

COBALT SILICOFLUORIDE
*City Chem Corp
*Shepherd Chem Co

COBALT STEARATE
*Mathe Chem Co
Prior Chem Corp
*Shepherd Chem Co
►*Witco Chem Co

COBALT SUCCINATE
*Shepherd Chem Co

COBALT SULFATE (Cobaltous Sulfate, Rose Vitriol, Bieberite)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Berkshire Chems, Inc
Bonewitz Chem
*City Chem Corp
*Fisher Scientific Co
Gallard-Schlesinger Chem Mfg Corp
*Harshaw Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Nuodex Products Co
*Shepherd Chem Co
Thompson-Hayward Chem Co
►*Vitro Rare Metals Co
*Ferro Chem Corp

COBALT SULFATE, ANHYDROUS
*City Chem Corp
*Fisher Scientific Co
*Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept

COBALT SULFATE, MONOHYDRATE
►Berkshire Chems Inc
*Harshaw Chem Co
Lotte Chem Corp
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Nuodex Products Co
*Shepherd Chem Co
►*Vitro Rare Metals Co
*Ferro Chem Corp

COBALT TALLATE
*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*California Ink Co *Fred'k A Stresen-Reuter
*Chase Chem Corp *Troy Chem Co
*Ferro Chem Corp

COBALT TITANATE
►*Titanium Alloy Mfg Div

COBALT TUNGSTATE (Cobaltous Tungstate, Cobalt Wolframate)
City Chem Corp
*Shepherd Chem Co
*California Ink Co

COBALT ULTRAMARINE see Cobalt Blue

COBALT VIOLET see Cobalt Ammonium Sulfate

COCHINEAL
Chas L Huisking & Co
S B Penick & Co

COCONUT BUTTER see Oil, Coconut

COCONUT CAKE see Copra Cake & Meal

CODEINE SULFATE
*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

CODOIL see Oil, Rosin

COKE, COAL
►*Allied Chem Corp, Semet-Solvay Div
*Diamond Alkali Co
*Pittsburgh Coke & Chem Co
*Alabama By-Products Corp *Milwaukee Solvay Coke Co
*Colorado Fuel & Iron Corp *Tennessee Products & Chem Corp
*Koppers Co, Gas & Coke Div

COKE, PETROLEUM
*Esso Standard Oil Co
*National Carbon Co
Tar Residuals
*Collier Carbon & Chem Corp

COLCHICINE, SALICYLATED
R W Greeff & Co
*S B Penick & Co
*Abbott Labs *Sandoz Pharmaceutical

2,4,6-COLLIDINE (2,4,6-Trimethylpyridine)
*Aldrich Chem Co
►*Allied Chem Corp, Plastics & Coal Chems Div
Henley & Co
Midland Tar Distillers
*Reilly Tar & Chem Corp
*Brothers Chem Co *Koppers Co, Tar Products Div
*Nepera Chem Co

2,4,6,-COLLIDINE-N-OXIDE
Midland Tar Distillers
*Reilly Tar & Chem Corp
*Koppers Co, Tar Products Div *Nepera Chem Co

COLLODION
►*J T Baker Chem Co
*Hilton-Davis Chem Co Div
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept

COLLOIDS, PROTECTIVE
*T M Duche & Sons, Unigum Div
*Marine Colloids, Inc
Meer Corp
*Stein, Hall & Co
*Union Carbide Chems Co
*Adhesive Products Corp *Rubba, Inc
*Protean Chem Corp

COLLOXYLIN see Nitrocellulose

COLOGNE SPIRITS see Alcohol, Ethyl

COLONIAL SPIRITS see Methanol

COLOPHONY see Rosin, Gum

COLOR LAKES
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Filo Color & Chem Corp
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Mineral Pigments Corp
*Sherwin-Williams Co
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*Atlantic Chem Corp
*Brooklyn Color Works
*California Ink Co
*Federal Color Labs
*Francolor, Inc
*B F Goodrich Chem Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Max Marx Color & Chem Co
*New York Color & Chem Co
*Sandoz, Inc
*Thomasset Colors
*Paul Uhlich & Co

COLOR LAKES, COSMETIC

*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Ansbacher-Siegle Corp
*Magruder Color Co
*Thomasset Colors

COLORS, ARTISTS'

*American Cyanamid Co, Pigments Div
*Mineral Pigments Corp
*Shepherd Chem Co
*Sherwin-Williams Co
*Smith Chem & Color Co
*Allied Finishing Specialties Co
*Ansbacher-Siegle Corp
*Brooklyn Color Works
*Federal Color Labs
*Holland Color & Chem Co
*Max Marx Color & Chem Co
*Thomasset Colors
*Paul Uhlich & Co

COLORS, CARBON PAPER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*File Color & Chem Corp
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Patent Chems
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Tar Residuals
*Ansbacher-Siegle Corp
*Brooklyn Color Works
*Dye Specialties
*Federal Color Labs
*Imperial Color Chem & Paper Corp
*Magruder Color Co
*Max Marx Color & Chem Co
*Paul Uhlich & Co

COLORS, CERAMIC

*American Cyanamid Co, Pigments Div
►Berkshire Chems, Inc
*Columbian Carbon Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Prince Mfg Co
*Shepherd Chem Co
►*Vitro Mfg Co
*C K Williams & Co
*B F Drakenfeld & Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Glidden Co
*Imperial Color Chem & Paper Corp
*Los Angeles Chem Co
*Mason Color & Chem Works

COLORS, CERTIFIED, FD&C

►*Allied Chem Corp, National Aniline Div
►*American Cyanamid Co, Fine Chems Dept
*American Cyanamid Co, Organic Chem Div
Florasynth Labs
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
George Lueders & Co
McKesson & Robbins, Inc, Chem Dept
Thompson-Hayward Chem Co
*Bates Chem Co
*Francolor, Inc
*Sethness Products Co
*Wm J Stange Co
*Sterwin Chems, Inc
*Union Starch & Refining Co
*R D Webb & Co

COLORS, CERTIFIED, D&C

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
Florasynth Labs
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
George Lueders & Co
McKesson & Robbins, Inc, Chem Dept
Whittaker, Clark & Daniels
*Ansbacher-Siegle Corp
*Francolor, Inc
*New York Color & Chem
*Thomasset Colors

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

COLORS, CERTIFIED, EXT D&C

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
Harwick Standard Chem Co
*H Kohnstamm & Co
George Lueders & Co
McKesson & Robbins, Inc, Chem Dept
*Ansbacher-Siegle Corp
*Francolor, Inc
*Imperial Color Chem & Paper Corp

COLORS, COSMETIC see Colors, Certified

COLORS, DRUG see Colors, Certified

COLORS, DRY

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
*Godfrey L Cabot
*Ciba Co
*Columbian Carbon Co
*Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Prince Mfg Co
►*Reichhold Chems, Inc
Revelli Chems, Inc
*Sherwin-Williams Co
*Smith Chem & Color Co
*C K Williams & Co
*American Molding Powder & Chem Corp
*Ansbacher-Siegle Corp
*Brooklyn Color Works
*California Ink Co
*Frank D Davis Co
*Federal Color Labs
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Imperial Color Chem & & Paper Corp
*Landers-Segal Color Co
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem Co
*New York Color & Chem Co
*Rare Metal Products Co
*Sandoz, Inc
*Sethness Products Co
*Tamms Industries Co
*Thomasset Colors
*Paul Uhlich & Co
*Verona-Pharma Chem

COLORS, EARTH

*American Cyanamid Co, Organic Chem Div
Harwick Standard Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Prince Mfg Co
*Smith Chem & Color Co
Charles A Wagner Co
Whittaker, Clark & Daniels
*C K Williams & Co
*Frank D Davis Co
*Landers-Segal Color Co
*Tamms Industries

COLORS, FLUSHED

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
*Ciba Co
*Filo Color & Chem Corp
*General Dyestuff Co
*Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*H Kohnstamm & Co
*Sherwin-Williams Co

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*Company classifies itself as producer
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• Paper • Plastics
• Glass • Floor Coverings
• Inks • Leather Finishes
• Artist Materials, etc.
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• Red, Yellow, Black & Brown Synthetic Iron Oxides
• Carbon, Lamp, Mineral & Bone Blacks
• Chromium Oxide & Chrome Colors
• Ultramarine & Iron Blues
• Phthalocyanine Blues & Greens
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55 John St., B'klyn 1, N. Y.
MAin 5-0567

Kentucky Color
AND CHEMICAL COMPANY, INC.
DRY COLORS
DISPERSED COLORS
FOR
Industrial Finishes • Inks • Plastics
Use our Color Matching Service IT'S FREE!
MERCURY REDS
CHROME GREENS
CHROME YELLOWS
MOLYBDATE ORANGES
HANSA YELLOWS
STRONTIUM CHROMATE
CADMIUM RED TONERS
CADMIUM YELLOWS
IRON BLUES
PHTHALOCYANINE BLUE-GREEN
PIGMENT GREEN B
B.O.N. REDS and MAROONS
TOLUIDINE REDS
Offices and Agents in Principal Cities
Main Office and Plant
LOUISVILLE 12, KENTUCKY

COLORS, FLUSHED (continued)

*Ansbacher-Siegle Corp
*California Ink Co
*Claremont Pigment Dispersion Corp
*Federal Color Labs
*Holland Color & Chem Co
*Landers-Segal Color Co
*Fred'k H Levey Co
*Monroe Sander Corp
*New York Color & Chem Co
*Sandoz, Inc
*Thomasset Colors

COLORS, FOOD see Colors, Certified FD&C

COLORS, GLASS

►Berkshire Chems, Inc
*Mineral Pigments Corp
*Shepherd Chem Co
►*Vitro Mfg Co
*C K Williams & Co

*B F Drakenfeld & Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Glidden Co
*Weyerhaeuser Timber Co, Silvatek Products Div

COLORS, INK

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Patent Chems
►*Reichhold Chems, Inc
*Shepherd Chem Co
*Sherwin-Williams Co
*C K Williams & Co

*American Phosphors Corp
*Ansbacher-Seigle Corp
*Brooklyn Color Works
*California Ink Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Francolor, Inc
*Glidden Co
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem Co
*Monroe Sander Corp
*New York Color & Chem
*Sandoz, Inc
*Thomasset Colors
*Paul Uhlich & Co

COLORS, LACQUER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*Kentucky Color & Chem Co
*Patent Chems
*Shepherd Chem Co
*Sherwin-Williams Co
*C K Williams & Co

*Allied Finishing Specialties Co
*Ansbacher-Siegle Corp
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Maas & Waldstein Co
*Magruder Color Co
*Sandoz, Inc
*Paul Uhlich & Co

COLORS, LINOLEUM

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*Columbian Carbon Co
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
►*Reichhold Chems, Inc
*Sherwin-Williams Co
*Smith Chem & Color Co
*C K Williams & Co

*Ansbacher-Siegle Corp
*Brooklyn Color Works
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Landers-Segal Color Co
*Imperial Color Chem & Paper Corp
*Magruder Color Co
*Sandoz, Inc
*Thomasset Colors
*Paul Uhlich & Co

COLORS, MORTAR, STUCCO & CONCRETE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Columbian Carbon Co
*Filo Color & Chem Corp
*General Dyestuff Co
*Kentucky Color & Chem Co
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Mineral Pigments Corp
*Prince Mfg Co
*Shepherd Chem Co
*Sherwin-Williams Co
*Smith Chem & Color Co
*C K Williams & Co

*Allied Finishing Specialties Co
*Clinton Metallic Paint Co
*Frank D Davis Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*New York Color & Chem Co
*Sandoz, Inc
*Tamms Industries Co
*Thomasset Colors

COLORS, OIL-SOLUBLE see Dyes, Oil-Soluble

COLORS, OVERGLAZE see Colors, Ceramic

COLORS, PAPER

American Cyanamid Co, Organic Chems Div
*Ciba Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Shepherd Chem Co
*Sherwin-Williams Co
*C K Williams & Co

*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Landers-Segal Color Co
*Peerless Color Co
*Sandoz, Inc
*Thomasset Colors

COLORS, PERFUME see Colors, Certified

COLORS, PHOTOGRAPHIC

►*Allied Chem Corp, National Aniline Div
*Kentucky Color & Chem Co

*Peerless Color Co
*Sandoz, Inc

COLORS, PLASTICS

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chems Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot, Inc
*Ciba Co
*Harwick Standard Chem Co
*Kentucky Color & Chem Co
*Patent Chems
*Shepherd Chem Co
*Sherwin-Williams Co
*Smith Chem & Color Co
*C K Williams & Co

*American Molding Powders & Chem Corp
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Brooklyn Color Works
*Claremont Pigment Dispersion Corp
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Landers-Segal Color Co
*Max Marx Color & Chem Co
*Peerless Color Co
*Sandoz, Inc
*Thomasset Colors
*Paul Uhlich & Co

COLORS, SOAP

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Mineral Pigments Corp
*Sherwin-Williams Co
Whittaker, Clark & Daniels

*Allied Finishing Specialties Co
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*California Ink Co
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Sandoz, Inc

COLORS, UNDERGLAZE see Colors, Ceramic

COLORS for RUBBER and PLASTICS

STAN-TONE® DRY COLORS

STAN-TONE MBS (Masterbatch)

STAN-TONE PC (Flushed)

STAN-TONE GPE (Ground Polyethylene)

STAN-TONE PEC (Polyester)

STAN-TONE BALLOON INKS

STAN-TONE RUBBER INKS

MAIN OFFICE—Akron, Ohio

HARWICK STANDARD CHEMICAL CO.

ALBERTVILLE, ALA. • BOSTON • CHICAGO • GREENVILLE, S.C. • LOS ANGELES • TRENTON

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

COLORS, VARNISH
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*Kentucky Color & Chem Co
Patent Chems
*Sherwin-Williams Co
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Brooklyn Color Works
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Magruder Color Co
*Peerless Color Co
*Thomasset Colors
*Paul Uhlich & Co

COLUMBIAN SPIRITS see Methanol

COLUMBITE
►Baird Chem Industries, Inc
Var-Lac-Oid Chem Co

COLUMBIUM CARBIDE
*Kawecki Chem Co
*Var-Lac-Oid Chem Co
*Fansteel Metallurgical Corp
*Bram Metal-Chem Co

COLUMBIUM, METAL (Niobium)
*Kawecki Chem Co
*Var-Lac-Oid Chem Co
*E I du Pont de Nemours & Co, Pigments Dept
*Fansteel Metallurgical Corp
*Union Carbide Metals Co

COLUMBIUM OXALATE
*Kawecki Chem Co

COLUMBIUM OXIDE
►Barclay Chem Co
*Kawecki Chem Co
*Var-Lac-Oid Chem Co
*Fansteel Metallurgical Corp
*Union Carbide Metals Co

COLUMBIUM-POTASSIUM OXYFLUORIDE see Potassium-Columbium Oxyfluoride

COMPLEXING AGENTS
*Antara Chem Div
*Dow Chem Co
*Glyco Chems
Kraft Chem Co
Merchants Chem Co
*Rumford Chem Works
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wyandotte Chem Corp
*Bio-Rad Labs
*Crown Zellerbach Corp
*Hagan Chem & Controls
*Hart Products
*Mona Industries
*Scher Bros
*US Oils & Chems

CONGO COPAL see Gum, Copal

CONGO RED (Sodium Diphenyl-bis-α-Naphthylamine Sulfonate)
*American Cyanamid Co, Organic Chem Div
*Eastern Chem Corp
*Atlantic Chem Corp
*Peerless Color Co
*Sandoz, Inc

COORDINATION COMPOUNDS see Chelating Agents and Complexing Agents

COPAIBA RESIN see Balsam, Copaiba

COPAL RESIN see Gum, Copal

COPPER ACETATE (Cupric Acetate, Green Verdigris, Crystallized Verdigris, Venus Crystals, Copper Subacetate)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►Berkshire Chems Inc
*Fisher Scientific Co
*Geigy Dyestuffs Div
*Mallinckrodt Chem Works
*Union Carbide Chems Co
►*Vitro Rare Metals Co
Wollen Chem & Supply Co
*Chemo Puro Mfg Corp

COPPER ACETATE, BASIC
►*Allied Chem Corp, General Chem Div

COPPER ACETOARSENITE (Paris Green, Cupric Acetoarsenite, Emerald Green, Imperial Green, King's Green, Moss Green)
►Barclay Chem Co
Hummel Chem Co
*Chipman Chem Co

COPPER ACETYLACETONATE
►*Aceto Chem Co
City Chem Corp
*MacKenzie Chem Works

COPPER AMINOSULFATE see Copper Sulfate, Ammoniated

COPPER AMMONIUM CHROMATE
*City Chem Corp

COPPER AMMONIUM SULFATE see Copper Sulfate, Ammoniated

COPPER ARSENATE
*City Chem Corp
Republic Chem Corp
*Sherwin-Williams Co

COPPER ARSENITE (Scheele's Green, Cupric Arsenic, Copper o-Arsenite, Swedish Green)
►*American Cyanamid Co, Industrial Chem Div
►Barclay Chem Co
*City Chem Corp
Republic Chem Corp

COPPERAS see Iron Sulfate (ous)

COPPER BROMIDE (ic)
►*J T Baker Chem Co
*Eastern Chem Corp
*Mallinckrodt Chem Works

COPPER BROMIDE (ous)
*City Chem Corp
*Eastern Chem Corp

COPPER CARBONATE (Cupric Carbonate, Copper Subcarbonate, Brunswick Green, Bremen Green, Mineral Green, Artificial Malachite, Copper Lasur, Mountain Green)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
Faesy & Besthoff
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Tennessee Corp
Joseph Turner & Co
►*Vitro Rare Metals Co
Wollen Chem & Supply Co
*Leffingwell Chem Co
*Mountain Copper Co

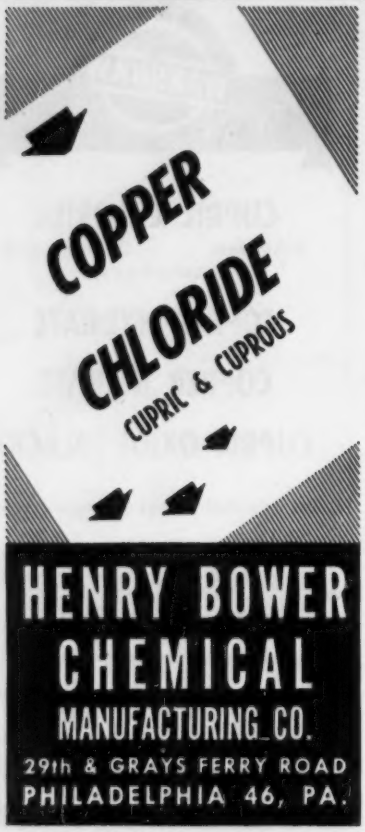
COPPER CARBONATE, BLUE see Azurite

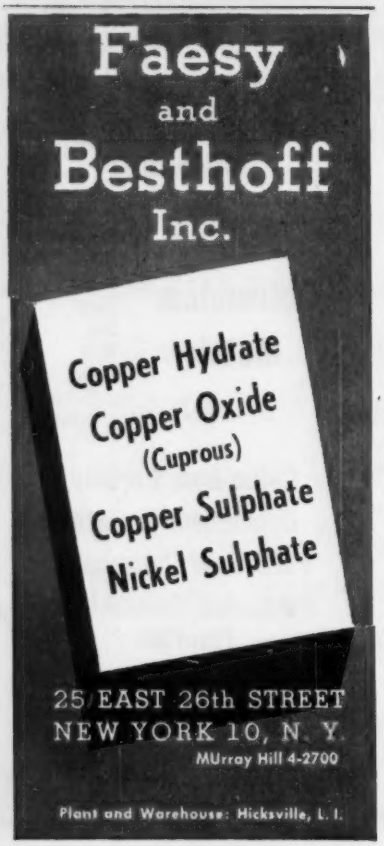
COPPER CHLORIDE (ic) (Copper Bichloride, Copper Dichloride)
►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
►*J T Baker Chem Co
*Henry Bower Chem Mfg Co
Faesy & Besthoff
*Fisher Scientific Co
*Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
*Mallinckrodt Chem Works
*McGean Chem Co
Prior Chem Corp
Republic Chem Corp
►*Tennessee Corp
Wollen Chem & Supply Co

HARSHAW
CUPRIC CHLORIDE
Dihydrate Dried Crystal
Anhydrous
COPPER HYDRATE
COPPER NITRATE
CUPRIC OXIDE (BLACK)
See individual listings for copper soaps
THE HARSHAW CHEMICAL CO.
CLEVELAND 6, OHIO
CHICAGO LOS ANGELES
CINCINNATI NEW YORK
DETROIT PHILADELPHIA
HOUSTON PITTSBURGH

COLUMBIUM
(Niobium)
Columbium Metal
Powder
Bars
Ingots
Sheet
Foil
Wire
Porous Sintered Pellets
Columbium Carbide
Columbium Oxalate
Potassium Columbate
Potassium Columbium Fluoride
KAWECKI CHEMICAL COMPANY
INCORPORATED
220 East 42nd Street New York 17, N. Y.

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses





COPPER CHLORIDE (ic), ANHYDROUS
►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
*Henry Bower Chem Mfg Co
*Fisher Scientific Co
*Harshaw Chem Co
*McGean Chem Co
Republic Chem Corp
Washine Chem Corp

COPPER CHLORIDE (ous)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Henry Bower Chem Mfg Co
*Harshaw Chem Co
J F Henry Chem Co
*Mallinckrodt Chem Works
*Millmaster Chem Corp
Prior Chem Corp
Washine Chem Corp

COPPER CHROMATE (Basic Cupric Chromate)
*City Chem Corp
Republic Chem Corp
*Shepherd Chem Co
*Fiber Chem Corp

COPPER COBALTICYANIDE
*City Chem Corp
*Var-Lac-Oid Chem Co

COPPER CYANIDE (ic)
►Barclay Chem Co
Globe Chem Co
Harshaw Chem Co
Industrial Chem & Dye Co
Inland Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Republic Chem Corp

COPPER CYANIDE (ous) (Cupricin)
►*J T Baker Chem Co
Chemical Mfg Co
Harshaw Chem Co
Kraft Chem Co
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Republic Chem Corp
*E I du Pont de Nemours & Co, Electrochem Dept

COPPER 2-ETHYLHEXOATE (Copper Octoate)
*Advance Solvents & Chem Div
*Shepherd Chem Co
*Chase Chem Corp *Troy Chem Co
*Fred'k A Stresen-Reuter

COPPER FLUOBORATE
►*Allied Chem Corp, General Chem Div
*Harshaw Chem Co

COPPER FORMATE
*City Chem Corp

COPPER GLUCONATE
*Chas Pfizer & Co
*Chemo Puro Mfg Corp

COPPER GLYCINATE
►*Aceto Chem Co
►*Benzol Products Co

COPPER HEMIOXIDE see Copper Oxide, Red

COPPER HYDRATE see Copper Hydroxide

COPPER HYDRATE COMPLEXES
*Henry Bower Chem Mfg Co

COPPER HYDROXIDE (Copper Hydrate, Cupric Hydroxide, Hydrated Copper Oxide)
►Berkshire Chems Inc
City Chem Corp
Faesy & Besthoff
*Harshaw Chem Co
McGean Chem Co
►*Vitro Rare Metals Co
*Mountain Copper Co *Royce Chem Co

COPPER IODIDE (ic)
Chemical Mfg Co
*Gallard-Schlesinger Chem Mfg Corp

COPPER IODIDE (ous)
*City Chem Corp
Clearbrook Chem Co
*Fisher Scientific Co
*Gallard-Schlesinger Chem Mfg Corp
*Shepherd Chem Co

COPPER LASUR see Copper Carbonate

COPPER LINOLEATE (Cuprous Linoleate)
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Fred'k A Stresen-Reuter *Troy Chem Co

COPPER, METAL (Cuprum)
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
*Calumet Div
Inland Chem Corp
International Selling Corp
*Mallinckrodt Chem Works
►*Tennessee Corp
*American Smelting & Refining Co *Bram Metal-Chem Co
*Glidden Co

COPPER MONOXIDE see Copper Oxide, Black

COPPER NAPHTHENATE
*Advance Solvents & Chem Div
►Baird Chem Industries, Inc
►Barclay Chem Co
Chapman Chem Co
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Oronite Chem Co
*Shepherd Chem Co
►*Witco Chem Co
*California Ink Co *Mobil Oil Co
*Chase Chem Corp *Fred'k A Stresen-Reuter
*Ferro Chem Corp *Troy Chem Co
*Leffingwell Chem Co

COPPER NITRATE (Cupric Nitrate)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Fisher Scientific Co
*Harshaw Chem Co
*Mallinckrodt Chem Works

COPPER OLEATE (Cupric Oleate) — see also Soaps, Metallic
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Cabell Chem Co *Fred'k A Stresen-Reuter
*Leffingwell Chem Co *Troy Chem Co

COPPER OXALATE
*Mallinckrodt Chem Works

COPPER OXIDE (ic), BLACK (Copper Monoxide)
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
*Calumet Div
*Harshaw Chem Co
*McGean Chem Co
*Prince Mfg Co
*Republic Chem Corp
►*Tennessee Corp
*Robert A Coupe *Glidden Co
*B F Drakenfeld & Co *Mountain Copper Co

COPPER OXIDE, BROWN
*Calumet Div

COPPER OXIDE (ous), RED (Copper Hemioxide, Copper Protoxide, Copper Suboxide)
►*J T Baker Chem Co
*Belmont Smelting & Refining Works

(Continued)

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

*Calumet Div
Faesy & Besthoff
*Harshaw Chem Co
*McGean Chem Co
*Prince Mfg Co
*Republic Chem Corp
Revelli Chems, Inc
Smith Chem & Color Co
*C K Williams & Co
*Robert A Coupe
*Glidden Co
*Mountain Copper Co

COPPER OXYCHLORIDE
►Baird Chem Industries, Inc
Revelli Chems, Inc
Riches-Nelson, Inc
*Los Angeles Chem Co

COPPER PALMITATE
*Mathe Chem Co

COPPER PERCHLORATE (Cupric Perchlorate)
*G Frederick Smith Chem Co

COPPER PHOSPHATE
*City Chem Corp
*Joseph Turner & Co
*Victor Chem Works

COPPER, POWDER
*Belmont Smelting & Refining Works
*Hummel Chem Co
*Republic Chem Corp
*Atlantic Powdered Metals
*Bram Metal-Chem Co
*Glidden Co
*Gold Leaf & Metallic Powders
*New Jersey Zinc Co

COPPER PROTEIN
*Heyden Newport Chem Corp

COPPER PROTOXIDE see Copper Oxide, Red

COPPER 8-QUINOLINOLATE (Copper-8)
Chapman Chem Co
Fisher Chem Co
(Continued)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

AMMONIUM PERSULFATE
COPPER OXYCHLORIDE
ETHYL SILICATE
p-CHLORO-m-CRESOL
SODIUM CHLORITE
ZINC AMMONIUM CHLORIDE
ZINC CHLORIDE
RN
RICHES-NELSON, INC.
Chemicals and Allied Products
342 MADISON AVE. · NEW YORK 17, N. Y.
RICHELCHEM, N. Y. MURRAY HILL 7-7267



Putting Mettle Into Metals Since 1896
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INGOT · SHOT · POWDER
ANODES · CATHODES · ALLOYS
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CUPRIC (BLACK)
COMMERCIAL - HIGH GRADE
Belmont SMELTING & REFINING WORKS, INC.
TELEPHONE Dickens 2-4900
322 BELMONT AVENUE · BROOKLYN 7, N. Y.

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gamma chemical corporation
GREAT MEADOWS, N. J.
SOLE SALES AGENTS
Fisher chemical co., inc.
355 LEXINGTON AVE., NEW YORK 17, N. Y.
MURRAY HILL 2-2587
CABLE ADDRESS: PHARCHEM

COPPER OXIDE
FOR INDUSTRY AND AGRICULTURE
CALUMET COPPER OXIDE for Industry
Extensively used in
• Paint and Pigment Manufacture
• Ceramic Coloring
• Base for Copper Chemicals
• Catalysts
CALUMET BROWN COPPER OXIDE for Agriculture
The new Calumet BROWN Copper Oxide used:
• As a Fungicide
• As a Fertilizer
• As a Feed Supplement
BROWN Copper Oxide is effective in each of these fields. Low cost and high copper content (75% Cu) make it ideal for incorporation in agricultural dusts and sprays, and in fertilizers and feed mixtures.
Basic Copper Sulphate—a reliable neutral fungicide containing 53% copper. Used as a dust or spray, it is effective in controlling fungus diseases on fruit, vegetables and foliage.
Calumet Industrial Copper Oxide is a mixture of cuprous and cupric oxides and is available in two types, one containing a high percentage of cuprous oxide and the other containing a high percentage of cupric oxide.
Write for specifications and further information.
CALUMET DIVISION
OF CALUMET & HECLA, INC.
5 CALUMET AVE., CALUMET, MICH.

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NICKEL
SULFATE
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PHELPS DODGE
REFINING CORPORATION
300 Park Ave., New York 22
Quality Products for Over 72 Years

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Republic
Chemical Corp.
94-96 Beekman St.
New York 38
Telephone
REctor 2-9810
TWX NY 1-1457
REPUBLIC CHEMICAL CORPORATION
SYMBOL OF QUALITY

COPPER, 8-QUINOLINOLATE (continued)
*Metalsalts Corp
*Nuodex Products Co

*Bennett, Inc
*Gamma Chem Corp
*B L Lemke & Co
*Scientific Oil Compounding Co
*Troy Chem Co

COPPER RESINATE (Cupric Resinate)
*Harshaw Chem Co
*McGean Chem Co
Shepherd Chem Co

*J Meyer & Sons

COPPER RICINOLEATE
*Baker Castor Oil Co

COPPER, SHOT
*Belmont Smelting & Refining Works
*Republic Chem Corp
►*Tennessee Corp

COPPER SILICATE
*City Chem Corp

COPPER STANNATE
*City Chem Corp

COPPER STEARATE (Cupric Stearate)
*Harshaw Chem Co
*Mathe Chem Co
Millmaster Chem Corp
Shepherd Chem Co

*Cabell Chem Co
*Leffingwell Chem Co

COPPER SULFATE (Blue Vitriol, Blue Stone, Blue Copperas, Roman Vitriol, Salzburg Vitriol)
►American-British Chem Supplies
American Oil & Supply Co
H J Baker & Bro
►*J T Baker Chem Co
Barada & Page
►Barclay Chem Co
Browning Chem Corp
Faesy & Besthoff
Fallek Products Co
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Chas L Huisking & Co
Indussa Corp
International Commodities Corp
E & F King & Co
Kraft Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
Onalco Lab
*Phelps Dodge Refining Corp
Prior Chem Corp
*Republic Chem Corp
Robeco Chems
F M Sargeant Pulp & Chem Co
Irving M Sobin Chem Co
J U Starkweather Co
►*Tennessee Corp
Thompson-Hayward Chem Co
*Joseph Turner & Co
Washine Chem Corp
►Western Pennsylvania Chem Co
Wellen Chem & Supply Co

*California Spray-Chem Corp
E I du Pont de Nemours & Co, Grasselli Chem
*Mountain Copper Co

COPPER SULFATE, AMMONIATED (Copper Ammonium Sulphate)
*City Chem Corp
McGean Chem Co

*Chemo Puro Corp

COPPER SULFATE, BASIC (Copper Subsulfate)
H J Baker & Bro
Faesy & Besthoff
*Harshaw Chem Co
Inland Chem Corp
McKesson & Robbins, Inc, Chem Dept
*Phelps Dodge Refining Corp
Robeco Chems
►*Tennessee Corp

*Mountain Copper Co

COPPER SULFATE, MONOHYDRATED
H J Baker & Bro
J H DeLamar & Son
Faesy & Besthoff
Frank G Fanning Co
J F Henry Chem Co
►Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Republic Chem Corp
►*Tennessee Corp
Joseph Turner & Co
Washine Chem Corp

*Mountain Copper Co

COPPER SULFIDE
*Mallinckrodt Chem Works

*Dye Specialties
*Glidden Co

COPPER TALLATE
*Advance Solvents & Chem Div
*Harshaw Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co

*Chase Chem Corp
*Troy Chem Co

COPPER TARTRATE
*City Chem Corp

COPPER THIOCYANATE (ous) (Copper Sulfocyanide)
*City Chem Corp
Croton Chem Corp
*Fisher Scientific Co
*Halby Chem Co

COPPER UNDECYLENATE
*Baker Castor Oil Co
*Millmaster Chem Corp

CORE COMPOUNDS
*American Oil & Supply Co
*Antara Chem Div
►*Borden Chem Co
*Corn Products Co
*Degen Oil & Chem Co
*Esso Standard Oil Co
*Hercules Powder Co
►*Philadelphia Quartz Co
*L Sonneborn Sons

*Archer-Daniels-Midland Co
*Baroid Div, National Lead Co
*B F Goodrich Chem Co
*Werner G Smith, Inc

CORN SUGAR (Dextrose, Grape Sugar)—
*Baroid Chems
Corn Products Sales Co
*Mallinckrodt Chem Works

*American Maize Products Co
*Harry Miller Corp
*Union Starch & Refining Co
*Clinton Corn Processing Co

CORN SYRUP (Glucose Syrup)
Corn Products Sales Co
*Ethyl Corp
*Metalsalts Corp
J U Starkweather Co

*American Maize Products Co
*Penick & Ford Ltd
*A E Staley Mfg Co
*Anheuser-Busch
*Union Starch & Refining Co
*Clinton Corn Processing Co

CORTISONE
Henley & Co
►*Merck Chem Div
►Peerless Oil & Chem Corp
Roussel Corp
*L Sonneborn Sons
George Uhe Co

*Biorganic Labs
*Roselle Labs

COTTON LINTERS
*Hercules Powder Co

*Spencer Kellogg & Sons

COTTONSEED MEAL & CAKE
H J Baker & Bro

*Spencer Kellogg & Sons
*Wesson Oil & Snowdrift Co

COUMARIN (Cumarin, Tonka-bean Camphor, Benzopyrone, o-Hydroxycinnamic Lactone)
*Aldrich Chem Co
►Barclay Chem Co
*Dow Chem Co
*Givaudan
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co

*Rhodia, Inc

COUMARONE (Cumarone; Benzofuran)
►*Koppers Co, Chems & Dyestuffs Div
*Pennsylvania Industrial Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

CREAM OF TARTAR, CRUDE see Argols

CREOSOTE CARBONATE
*Mallinckrodt Chem Works

CREOSOTE, COAL-TAR (Creosote Oil, Liquid Patch Oil)
►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
Midland Tar Distillers
*NYQ Chem Div, S B Penick & Co
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
Thompson-Hayward Chem Co
*Colorado Fuel & Iron Corp
*Crowley Tar Products Corp
*Coopers Creek Chem Corp
*United States Steel Corp

CREOSOTE, WOOD-TAR
*Heyden Newport Chem Corp
*NYQ Chem Div, S B Penick & Co
*Tennessee Products & Chem Corp
*Crossett Chem Co

m-CRESOL (m-Methylphenol, m-Hydroxytoluene)
►American-British Chem Supplies
Concord Chem Co
Fallek Products Co
*Givaudan
M W Hardy & Co
Mercer Chem Corp
Millmaster Chem Corp
►Peerless Oil & Chem Corp
*Pittsburgh Coke & Chem Co
*Productol Co
Tar Residuals
*Crowley Tar Products Corp
*Koppers Co, Tar Products Div
*Merichem Div

o-CRESOL (o-Methylphenol)
►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
Concord Chem Co
Fallek Products Co
M W Hardy & Co
Mercer Chem Corp
►Peerless Oil & Chem Corp
*Pittsburgh Coke & Chem Co
*Productol Co
Tar Residuals
*Crowley Tar Products Corp
*Merichem Div
*Pitt-Consul Chem Co
*Koppers Co, Tar Products Div
*United States Steel Corp

p-CRESOL (p-Methylphenol)
►American-British Chem Supplies
►Barclay Chem Co
Concord Chem Co
Fallek Products Co
Florasynth Labs
M W Hardy & Co
*Hercules Powder Co
Mercer Chem Corp
►Peerless Oil & Chem Corp
*Sherwin-Williams Co
Tar Residuals
*Crowley Tar Products Corp
*Koppers Co, Tar Products Div
*Merichem Div

CRESOLS, MIXED—see also Acid, Cresylic
►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
Concord Chem Co
*M W Hardy & Co
Mercer Chem Corp
►Peerless Oil & Chem Corp
*Productol Co
*Reilly Tar & Chem Corp
Tar Residuals
*Coopers Creek Chem Corp
*Merichem Div
*Crowley Tar Products Corp
*Pitt-Consul Chem Co
*United States Steel Corp
*Koppers Co, Tar Products Div

CRESOLPHTHALEIN
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
*Fine Organics
*Matheson Coleman & Bell
*Andor Labs

CRESOL PURPLE (m-Cresolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
*Matheson Coleman & Bell
*Hartman-Leddon Co

CRESOL RED (o-Cresolsulfonphthalein)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Matheson Coleman & Bell
*Hartman-Leddon Co

m-CRESYL ACETATE
*Eastern Chem Corp
*Andor Labs

p-CRESYL ACETATE
Florasynth Labs
*Givaudan
*Andor Labs
*Fritzsche Bros

CRESYL DIPHENYL PHOSPHATE
►*Celanese Corp of America, Chem Div
►*Food Machy & Chem Corp, Chems & Plastics Div
R W Greeff & Co
*Kolker Chem Corp
►*Monsanto Chem Co

CROCUS see Saffron, Spanish

CROTONALDEHYDE (Propylene Aldehyde, Butenal, Crotonic Aldehyde)
*Eastman Chem Products
*Union Carbide Chems Co

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Kawecki Chem Co
Kraft Chem Co
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp

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*Aluminum Co of America
►Berkshire Chems Inc
►*Reynolds Metals Co
*Pilot Engrg Co
*United-Heckathorn

CRYSTAL CARBONATE see Sodium Carbonate, Monohydrate

CRYSTAL VIOLET see Methyl Violet

CUBE ALUM see Alum, Potash

CUBE ROOT
►Baird Chem Industries, Inc
*S B Penick & Co
*Prentiss Drug & Chem Co

CUBIC NITER see Sodium Nitrate

CUDBEAR (Persio, Orchil)
S B Penick & Co

CUMARIN see Coumarin

CUMENE (Isopropylbenzene)
►*Allied Chem Corp, Plastics & Coal Chems Div
*Dow Chem Co
*Oronite Chem Co
*Phillips Petroleum Co, Special Products Div
Tar Residuals
*Eastern States Petroleum & Chem Corp

CUMENE HYDROPEROXIDE
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McKesson & Robbins, Inc, Chem Dept

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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CUMIDINE—see also Pseudocumidine
*K & K Labs

CUMINIC ALDEHYDE
Florasynth Labs
*Givaudan

p-CUMYLPHENOL
►*Allied Chem Corp, Plastics & Coal Chems Div

CUPFERRON (Nitrosophenyl Hydroxylamine, Copperon)
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*Eastern Chem Corp
*Eastman Organic Chems
*Mallinckrodt Chem Works
*Millmaster Chem Corp
*Morton Chem Co
*G Frederick Smith Chem Co

CUPRIC AND CUPROUS CHEMICALS see corresponding Copper chemical

CUPRICIN see Copper Cyanide (ous)

CUPRON see α-Benzoinoxime

CUTCH (Gum Catechu, Cachou, Cashoo, Black Catechu, Kutch, Katechu, Japan Earth, Pegu Catechu, Terra Japonica) — see also Mangrove Extract
*Colony Import & Export Corp
S B Penick & Co
*Francolor, Inc
*New York Color & Chem Co

CYANITE
Var-Lac-Old Chem Co
*Engelhard Industries

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►*Kay-Fries Chems
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*Kaplop Labs

CYANOGUANIDINE see Dicyandiamide

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*Eastern Chem Corp
*Reilly Tar & Chem Corp
*Nepera Chem Co

CYANURIC CHLORIDE
►*American Cyanamid Co, Industrial Chem Div
►Baird Chem Industries, Inc
M W Hardy & Co
Henley & Co
►*Monsanto Chem Co
*Nilok Chems

CYCLAMATE CALCIUM see Calcium Cyclamate

CYCLAMEN ALDEHYDE
Florasynth Labs
*Givaudan
*Bryant Chem Corp
*Rhodia, Inc
*Schimmel & Co

CYCLOBUTANE
*Kaplop Labs

CYCLOHEXADIENE-1,3
*Farchan Research Labs

CYCLOHEXADIENE-1,4
*Farchan Research Labs

CYCLOHEXANE (Benzene Hexahydride)
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►Enjay Co
*Fisher Scientific Co
Matheson Coleman & Bell
*Phillips Petroleum Co, Special Products Div
*Shell Chem Corp
*Shell Oil Co

CYCLOHEXANOL (Hexahydrophenol, Hexalin)
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►American-British Chem Supplies
American Mineral Spirits Co
►*J T Baker Chem Co
►Barclay Chem Co
Chemical Solvents, Inc
*Dow Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
*Fallek Products Co
Howe & French Inc
►Jones Chems, Inc
Matheson Coleman & Bell
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
►Peerless Oil & Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc

CYCLOHEXANONE (Ketohexamethylene)
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►Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
American Mineral Spirits Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
Chemical Solvents, Inc
*E I du Pont de Nemours & Co, Polychem Dept
Howe & French Inc
Hummel Chem Co
►Jones Chems, Inc
*Matheson Coleman & Bell
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc

CYCLOHEXANONE OXIME
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►*Allied Chem Corp, National Aniline Div
*Nuodex Products Co
*E I du Pont de Nemours & Co, Finishes Div
*Andor Labs

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*Lucidol Div, Wallace & Tiernan Inc
*US Peroxygen Corp

CYCLOHEXENE (Benzene Tetrahydride)
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Millmaster Chem Corp
*Phillips Petroleum Co, Special Products Div
*Chemo Puro Mfg Corp

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CYCLOHEXENYLTRICHLOROSILANE
*Union Carbide Corp, Silicones Div
*Peninsular ChemResearch

CYCLOHEXYL ACRYLATE
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CYCLOHEXYLAMINE
►Baird Chem Industries, Inc
►*Monsanto Chem Co
*Abbot Labs

CYCLOHEXYL CHLORIDE
Millmaster Chem Corp

2-CYCLOHEXYLCYCLOHEXANOL
*Dow Chem Co

CYCLOHEXYL METHACRYLATE
►*Borden Chem Co
*Sartomer Resins, Inc

p-CYCLOHEXYLPHENOL
*Dow Chem Co
Midland Tar Distillers

CYCLOHEXYL STEARATE
*Kessler Chem Co

N-CYCLOHEXYL-p-TOLUENE-SULFONAMIDE
►*Monsanto Chem Co

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*Peninsular ChemResearch

CYCLONOL
Florasynth Labs
R W Greeff & Co
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*Phillips Petroleum Co, Special Products Div

CYCLOPENTANOL see Alcohol, Cyclopentyl

CYCLOPENTANONE
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Millmaster Chem Corp
*Roberts Chems, Inc

CYCLOPENTANONE OXIME
Millmaster Chem Corp
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CYCLOPENTENE
*Aldrich Chem Co
*Farchan Research Labs
Millmaster Chem Corp
*Phillips Petroleum Co, Special Products Div

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CYCLOPENTYL BROMIDE (Bromocyclopentane)
*Aldrich Chem Co
*Arapahoe Chem
*Michigan Chem Corp
Millmaster Chem Corp
*Eli Lilly & Co

CYCLOPENTYL CHLORIDE
*Arapahoe Chem
Millmaster Chem Corp

CYCLOPENTYL PROPIONYL CHLORIDE
*Arapahoe Chem
Millmaster Chem Corp

CYCLOPROPANE (Trimethylene)
*Mallinckrodt Chem Works
*Ohio Chem & Surgical Equipment Co Div
*McGraw-Edison

p-CYMENE (Cymol, p-Cymol, p-Isopropyltoluene, Isopropyltoluol, Methylpropylbenzene, Methyl-Isopropylbenzene)
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S B Penick & Co
*Glidden Co

CYMOL see p-Cymene

CYSTAMINE see Hexamethylenetetramine

CYSTEINE HYDROCHLORIDE
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CYSTINE
*Fallek Products Co
Pfanstiehl Labs
*Winthrop Labs
*Fairmount Chem Co
*MacKenzie Chem Works

CYSTOGEN see Hexamethylenetetramine

D

2,4-D see Acid, 2,4-Dichlorophenoxyacetic

DAMMAR see Gum, Dammar

DDT see Dichlorodiphenyl-Trichloroethane

DECABORANE
*Callery Chem Co

DECAHYDRONAPHTHALENE (Decalin, Dekaline, Bicyclodecane)
►Baird Chem Industries, Inc
*Fallek Products Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

DECALIN see Decahydronaphthalene

DECAMETHYLENEDIBROMIDE (1,10-Dibromodecane)
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*Eastern Chem Corp
*K & K Labs
*Edcan Labs
*Pierce Chem Co

DECAMETHYLENE GLYCOL (1,10-Dihydroxydecane; 1,10-Decanediol)
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*Eastern Chem Corp
*K & K Labs
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n-DECANE
►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div

1-DECENE
►*Humphrey-Wilkinson

DECONTAMINANTS, MERCURY
*Stieh Chems Inc

DECONTAMINANTS, RADIOACTIVITY
*Britex Corp
*Stieh Chems Inc

n-DECYL BROMIDE
►*Aceto Chem Co
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n-DECYL CHLORIDE (1-Chlorodecane)
►*Aceto Chem Co
►*Humphrey-Wilkinson

DECYL MERCAPTAN
*Aldrich Chem Co
►*Humphrey-Wilkinson

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*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
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*Concord Chem Co
*Dow Corning Corp
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*Glyco Chems
*Hercules Powder Co
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►*Koppers Co, Chems & Dyestuffs Div
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Merchants Chem Co
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Sole Chem Corp
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Wallach-Gracer Export Corp
►*Witco Chem Co
*Jacques Wolf & Co
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*Arol Chem Products Co
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*Swift & Co, General Soap Dept
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*United States Petroleum Co
*Western Chem Co
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*Dow Corning Corp
*Geigy Dyestuffs Div
*General Elec Co, Silicone Products
Harwick Standard Chem Co
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*Union Carbide Corp, Silicones Div
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Cyclopentyl Bromide	B.P.=137-138°C Commercial
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*Clarkson Labs
*B R Elk & Co
*Hart Products Corp
*Hodag Chem Corp

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*Dow Chem Co
►*Monsanto Chem Co
*Pennsalt Chems Corp
►*Stauffer Chem Co
*Thompson-Hayward Chem Co
*Amchem Products
*Chipman Chem Co

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*Lanaetex Products
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*Reilly-Whiteman-Walton Co
*Robinson Wagner Co
*Seaboard Chem

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*Fiber Chem Corp
*Seaboard Chem

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*Amalgamated Chem Corp
*Caristadt Chem Co
*Fermco Labs
*Marlowe-Van Loan Corp
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*Procter & Gamble Co
*Scher Bros
*Scholler Bros
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*Warwick Chem Co Div

DE HAENS SALT see Antimony Salt

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Merchants Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
►*Westvaco Mineral Products Div
►*Wyandotte Chem Corp
*Barium & Chems
*Bernard Chem Products Co
*Britex Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*DuBois Co
*Mona Industries
*Oakite Products
*Wallerstein Co
*Zophar Mills

DEHUMIDIFIERS see Air Dehumidifiers

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►*Hooker Chem Corp
►*Jefferson Chem Co
►*Minerals & Chem Corp of America
McKesson & Robbins, Inc, Chem Dept
*Olin Mathieson Chem Corp, Organic Chems
*G Frederick Smith Chem Co
*Union Carbide Chems Co
*Barium & Chems
*W A Hammond Drierite Co
*Eagle Chem Co
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►*Jefferson Chem Co
Merchants Chem Co
►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
►*Rohm & Haas Co
Solvents & Chems Group
Stoney-Mueller, Inc
Thompson-Hayward Chem Co
*Trio Chem Works
*Union Carbide Chems Co
*Barlow Chem Corp
*Chemical Compounding Co
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*Bryant Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*New Jersey Zinc Co
*Nyanza Color & Chem Co
*Scher Bros
*Scholler Bros
*Warwick Chem Co Div
*Wica Chem

DEMULSIFIERS

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►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
*Dow Chem Co
►*Jefferson Chem Co
Merchants Chem Co
►M Michel & Co
►*Nopco Chem Co
Sole Chem Corp
*L Sonneborn Sons
*Union Carbide Chems Co
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►*Witco Chem Co
►*Wyandotte Chem Corp
*Arol Chem Products
*Atlas Refinery Inc
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DENATURANTS, ALCOHOL

►*Eastman Chem Products
Chas L Huisking & Co
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
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*Olin Mathieson Chem Corp
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►*Rohm & Haas Co
Sindar Corp
*Trio Chem Works

*Alpine Aromatics
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*Mallinckrodt Chem Works

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DESICCANTS

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*Aluminum Co of America
*Barnebey-Cheney Co
►*Davison Chem Co Div
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►*Jefferson Chem Co
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►*Minerals & Chem Corp of America
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*Antara Chem Div
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►*Wyandotte Chem Corp

*Colgate-Palmolive Co
*Metro-Atlantic, Inc
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*Mona Industries
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►*General Mills, Chem Div
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*H Kohnstamm & Co
*Maher Color & Chem Co
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►M Michel & Co
*Millmaster Chem Corp
►*Onyx Oil & Chem Co
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*Fuld Bros
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*Miranol Chem Co
*Scholler Bros
*Tanatex Chem Corp
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*American Cyanamid Co, Organic Chem Div
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►*Armour Industrial Chem Co
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Chapman Chem Co
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Harshaw Chem Co
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McKesson & Robbins, Inc, Chem Dept
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DIAMYL SULFIDE see Amyl Sulfide

DIANHYDROSORBITOL see Sorbide

DIANISIDINE (Dimethoxybenzidine, Bianisidine)
►*Allied Chem Corp, National Aniline Div
*Fallek Products Co
*Gane's Chem Works
*Carwin Co
*Francolor, Inc
*E I du Pont de Nemours & Co, Dyes & Chem Div

DIANISIDINE DIISOCYANATE
*Fallek Products Co
*Carwin Co

DIASPORE see Alumina, Hydrated and Bauxite

DIASTASE (Diastafor, Diastasum, Amylase, Diamalt)
*Armour Pharmaceutical Co
►*Rohm & Haas Co
*Jacques Wolf & Co
*Pabst Brewing Co
*Wallerstein Co

DIASTOFCR see Diastase

DIATOL see Diethyl Carbonate

DIATOMACEOUS EARTH see Diatomite

DIATOMITE (Fossil Flour, Infusorial Earth, Kieselguhr, Tripoli Powder, Guhr, Tellurine, Terra Silicea, Tripolite)
*Aquafil Co
►*J T Baker Chem Co
►Berkshire Chems, Inc
Inland Chem Corp
*Johns-Manville
Opalco Lab
L A Salomon & Bro
Sole Chem Corp
Charles A Wagner Co
Wallach-Gracer Export Corp
Whittaker, Clark & Daniels
Wollen Chem & Supply Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Eagle-Picher Co
*Tamms Industries

DIAZOAMINOBENZENE
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp

p-DIAZODIETHYLANILINE
*Antara Chem Div
Hostachem Corp
*Morton Chem Co
*Fairmount Chem Co
*Industrial Dyestuff Co

p-DIAZODIMETHYLANILINE ZINC CHLORIDE, DOUBLE SALT
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Morton Chem Co
*Fairmount Chem Co
*Industrial Dyestuff Co

p-DIAZO ETHYL BENZYL ANILINE
*Morton Chem Co
*Fairmount Chem Co
*Industrial Dyestuff Co

DIAZONIUM COMPOUNDS, STABILIZED
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
►*Borden Chem Co
*Hilton-Davis Chem Co Div
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Atlantic Chem Corp
*Fairmount Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

DIAZO SALTS
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Hilton-Davis Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*Atlantic Chem Corp
*Fairmount Chem Co

DIAZOTIZING SALTS see Sodium Nitrate

1,2,5,6-DIBENZANTHRACENE
*Eastman Organic Chems
*K & K Labs
*Edcan Labs

trans-1,2-DIBENZOYLETHYLENE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div

DIBENZOYL-p-QUINONE DIOXIME
*Naugatuck Chem Div

DIBENZYL see Sym-Diphenylethane

DIBENZYL ADIPATE
*Kessler Chem Co
*Morton-Withers Chem Co

N,N-DIBENZYLAMINE
R W Greeff & Co
►*Sumner Chem Co Div
*Naugatuck Chem Div

DIBENZYL DISULFIDE see Benzyl Disulfide

N,N-DIBENZYLETHANOLAMINE
►*Sumner Chem Co Div

N,N-DIBENZYLMETHYLAMINE
R W Greeff & Co
►*Sumner Chem Co Div

DIBENZYL SEBACATE
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Morton-Withers Chem Corp

DIBENZYL SUCCINATE
*City Chem Corp
R W Greeff & Co
*B L Lemke & Co
*Polychemical Labs

DIBORANE (Diboron Hexahydride; Boroethane)
*Callery Chem Co

DIBROMAMINE-B
*Arapahoe Chem

o-DIBROMOBENZENE
*Aldrich Chem Co
*Beacon Chem Industries

p-DIBROMOBENZENE (p-Benzene Dibromide)
*Dow Chem Co

DIBROMOCHLOROMETHANE
*Dow Chem Co

1,2-DIBROMO-3-CHLOROPROPANE
*Michigan Chem Corp

DIBROMO-o-CRESOL-SULFONPHTHALEIN see Bromocresol Purple

1,10-DIBROMODECANE see Decamethylenedibromide

DIBROMODICHLOROPHENOLSULFONPHTHALEIN see Bromochlorophenol Blue

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McKesson & Robbins, Inc, Chem Dept
*Michigan Chem Corp
Millmaster Chem Corp
William E Phillips

*Bromine Producers Co

DIBROMOETHANE see Ethylene Bromide

DIBROMOFLUORESCEIN
►*Allied Chem Corp, National Aniline Div
*Hilton-Davis Chem Co Div

*New York Color & Chem Co *Fred'k H Levey Co

1,2-DIBROMOMERCAPTOPROPANOL
*R S A Corp

*Kaplop Labs

DIBROMOMETHANE see Methylene Bromide

2,3-DIBROMOPROPANOL
*Michigan Chem Corp
*R S A Corp

1,2-DIBROMOPROPANE see Propylene Dibromide

1,3-DIBROMOPROPANE see Trimethylene Bromide

2,6-DIBROMOPYRIDINE
*Eastern Chem Corp
*G Frederick Smith Chem Co

*Nepera Chem Co

2,6-DIBROMOQUINONE CHLORIMIDE
*Aldrich Chem Co
*Matheson Coleman & Bell

DIBROMOTHYMOLSULFONPHTHALEIN see Bromothymol Blue

3,5-DIBROMOTYROSINE
*R S A Corp

*Polychemical Labs

DIBUTOXYETHYL ADIPATE
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
*Kessler Chem Co
*Morton-Withers Chem Co
►*Reichhold Chems, Inc
Solvents & Chems Group

*Deecy Products Co

DIBUTOXYETHYL PHTHALATE
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
*Kessler Chem Co
*Morton-Withers Chem Co
Solvents & Chems Group
Stoney-Mueller, Inc

DIBUTOXYETHYL SEBACATE
*Hatco Chem Co
*Morton-Withers Chem Co

*Deecy Products Co

DIBUTOXY TETRAETHYLENE GLYCOL
►*Aceto Chem Co

*Roberts Chems, Inc

DIBUTYL ADIPATE
*Hatco Chem Co
*Kessler Chem Co
Stoney-Mueller, Inc

*C P Hall Co

DI-n-BUTYLAMINE
*Pennsalt Chems Corp
*Union Carbide Chems Co

DI-n-BUTYLAMMONIUM TETRAFLUOBORATE
*Ozark-Mahoning Co

DI-tert.-BUTYL-p-CRESOL
*Catalin Corp of America
►*Eastman Chem Products
►Enjay Co
*Fallek Products Co
R W Greeff & Co
*Hercules Powder Co
*Kolker Chem Corp
McKesson & Robbins, Inc, Chem Dept
►*Nopco Chem Co
►*U S Industrial Chem Co Div
Universal Oil Products Co

*Chemo Puro Mfg Corp *Koppers Co, Tar Products

DI-tert.-BUTYL DISULFIDE
*Phillips Petroleum Co, Special Products Div

DIBUTYL FUMARATE
*Hatco Chem Co
►*Monsanto Chem Co
*NYQ Chem Div, S B Penick & Co
►*Reichhold Chems, Inc

*Rubber Corp of America

DIBUTYL HYDROGEN PHOSPHITE
*Victor Chem Works

2,5-DI-tert.-BUTYL HYDROQUINONE
►*Eastman Chem Products

DI-n-BUTYL ITACONATE
*Dewey & Almy Chem Div

DI-n-BUTYL MALEATE
*Hatco Chem Co
►*Monsanto Chem Co
*NYQ Chem Div, S B Penick & Co

*Dewey & Almy Chem Co *Rubber Corp of America

DI-n-BUTYL OXALATE
►*Aceto Chem Co

DI-tert.-BUTYL PEROXIDE
*Lucidol Div, Wallace & Tiernan Inc

*Shell Chem Corp

2,4-DI-tert.-BUTYLPHENOL
*Dow Chem Co
*Fallek Products Co
Midland Tar Distillers

2,6-DI-tert.-BUTYLPHENOL
*Catalin Corp of America

N,N'-DI-sec.-BUTYL-p-PHENYLENE-DIAMINE
►*Eastman Chem Products

DIBUTYL PHOSPHITE
►*Monsanto Chem Co
*Victor Chem Works
►*Virginia-Carolina Chem Corp

DIBUTYL PHTHALATE
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►American-British Chem Supplies
American Mineral Spirits Co
American Oil & Supply Co
►Baird Chem Industries, Inc
►Barclay Chem Co
Bergstrom Trading Co
►Celanese Corp of America, Chem Div
*Chemical Affiliates
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►*Commercial Solvents Corp
DeMert & Dougherty, Inc
►*Eastman Chem Products
►*Food Machy & Chem Corp, Chems & Plastics Div
R W Greeff & Co
*Harchem Div, Wallace & Tiernan Inc
Harwick Standard Chem Co
*Hatco Chem Co
Howe & French Inc
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Washine Chem Corp
►*Witco Chem Co

*Dewey & Almy Chem Co Div *Rubber Corp of America
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2,5-DI-tert.-BUTYL QUINONE
►*Eastman Chem Products

*Waverly Chem Co

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DIBUTYL TARTRATE
*Kessler Chem Co

DIBUTYLTHIOUREA
*Pennsalt Chems Corp

DIBUTYL TIN DILAURATE
*Advance Solvents & Chem Div
Gallard-Schlesinger Chem Mfg Corp
►*Metal & Thermit Corp
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DICALCIUM o-PHOSPHATE see Calcium Phosphate, Dibasic

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Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Kessler Chem Co

DICAPRYL PHTHALATE
American Mineral Spirits Co
*Chemical Affiliates
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
Stoney-Mueller, Inc

DICAPRYL SEBACATE
*Hatco Chem Co
►*Rohm & Haas Co

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*Matheson Coleman & Bell
►*Monsanto Chem Co

DICHLOROACETALDEHYDE
►*Westvaco Chlor-Alkali Div

sym-DICHLOROACETONE
*Eastern Chem Corp
*Eastman Organic Chems

DICHLOROACETYL CHLORIDE
►*Kay-Fries Chems

2,5-DICHLOROANILINE (Aminodichlorobenzene, Dichlorophenylamine)
►*Aceto Chem Co
•Antara Chem Div
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Verona-Pharma Chem Corp

3,4-DICHLOROANILINE
•Aldrich Chem Co
Hostachem Corp
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

2,4-DICHLOROBENZALDEHYDE
•Heyden Newport Chem Corp

o-DICHLOROBENZENE
►*Allied Chem Corp, Solvay Process Div
American Mineral Spirits Co
American Oil & Supply Co
►Barclay Chem Co
•Chemical Products Corp (Ga)
•Columbia-Southern Chem Corp
•Dow Chem Co
Faesy & Besthoff
Fallek Products Co
►*Hooker Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
►Peerless Oil & Chem Corp
Robeco Chems
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J U Starkweather Co
Thompson-Hayward Chem Co
►Western Pennsylvania Chem Co
*Universal Western Chem Corp
*Dover Chem Co

p-DICHLOROBENZENE (p-Dichlorobenzol)
►*Allied Chem Corp, Solvay Process Div
American Oil & Supply Co
►Barclay Chem Co
•Chemical Products Corp (Ga)
•Columbia-Southern Chem Corp
•Dow Chem Co
Faesy & Besthoff
Fallek Products Co
►*Hooker Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
►*Monsanto Chem Co
Robeco Chems
J U Starkweather Co
Thompson-Hayward Chem Co
►Western Pennsylvania Chem Co
*Universal Western Chem Corp
*Dover Chem Co

DICHLOROBENZENES, MIXED (Benzene Dichloride)
•Chemical Products Corp (Ga)
•Columbia-Southern Chem Corp
►*Hooker Chem Corp
►*Monsanto Chem Co
*Dover Chem Co

3,3'-DICHLOROBENZIDINE & SALTS
►*Allied Chem Corp, National Aniline Div
•Fallek Products Co
Hostachem Corp
*Carwin Co

2,4-DICHLOROBENZOTRICHLORIDE
•Ciba Co
•Heyden Newport Chem Corp

3,4-DICHLOROBENZOTRICHLORIDE
•Heyden Newport Chem Corp

2,4-DICHLOROBENZOYL CHLORIDE
•Heyden Newport Chem Corp

3,4-DICHLOROBENZOYL CHLORIDE
•Heyden Newport Chem Corp

2,4-DICHLOROBENZOYL PEROXIDE
•Lucidol Div, Wallace & Tiernan Inc
McKesson & Robbins, Inc, Chem Dept
*Cadet Chem Corp

2,4-DICHLOROBENZYL CHLORIDE
•Antara Chem Div
•Heyden Newport Chem Corp

3,4-DICHLOROBENZYL CHLORIDE
•Heyden Newport Chem Corp

DICHLOROBENZYL CHLORIDES, MIXED
•Antara Chems Div
►*Benzol Products Co
•Heyden Newport Chem Corp

1,4-DICHLOROBUTANE (Tetramethylene Chloride)
*E I du Pont de Nemours & Co, Electrochem Dept

1,4-DICHLORO-2-BUTYNE
•Farchan Research Labs

DICHLORODIFLUOROMETHANE
►*Allied Chem Corp, General Chem Div
►*E I duPont de Nemours & Co, "Freon" Products Div
•Pennsalt Chems Corp
•Union Carbide Chems Co

1,3-DICHLORO-5,5-DIMETHYL HYDANTOIN
►Aceto Chem Co
►Baird Chem Industries, Inc
•Glyco Chems
•H Kohnstamm & Co
►*Wyandotte Chem Corp

DICHLORODIPHENYL DICHLOROETHANE
►*Rohm & Haas Co

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DICHLORODIPHENYL TRICHLOROETHANE (DDT)
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►American Potash & Chem Corp
H J Baker & Bro
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*Diamond Alkali Co
Fallek Products Co
*Fisher Scientific Co
R W Greeff & Co
*Olin Mathieson Chem Corp, Industrial Chems
►Peerless Oil & Chem Corp
S B Penick & Co
*Pennsalt Chems Corp
Republic Chem Corp
►*Stauffer Chem Co
Thompson-Hayward Chem Co
*Geigy Agricultural Chem Div

1,1-DICHLOROETHANE
►Aceto Chem Co
*Eastern Chem Corp

1,2-DICHLOROETHANE see Ethylene Dichloride

cis-DICHLOROETHYLENE
*Aldrich Chem Co
*Eastman Organic Chems
*Matheson Coleman & Bell

trans-DICHLOROETHYLENE
*Aldrich Chem Co
*Eastman Organic Chems
*Matheson Coleman & Bell

DICHLOROETHYLENES, MIXED
*Aldrich Chem Co

α-DICHLOROHYDRIN see Glycerol Dichlorohydrin

DICHLOROMETHANE see Methylene Chloride

2,3-DICHLORO-1,4-NAPTHOQUINONE
*Aldrich Chem Co
*Naugatuck Chem Div

2,5-DICHLORONITROBENZENE (1-Nitro-2,5-Dichlorobenzene)
*Antara Chem Div

1,1-DICHLORO-1-NITROETHANE
►*Commercial Solvents Corp

DICHLOROPENTANES, MIXED
*Pennsalt Chems Corp

DICHLOROPHENE (2,2'-Methylenebis-[4-chlorophenol])
*Givaudan
Sindar Corp

2,4-DICHLOROPHENOL
*Diamond Alkali Co
*Dow Chem Co
►*Monsanto Chem Co

DICHLOROPHENOLSULFONPHTHALEIN see Chlorophenol Red

DICHLOROPHENYLAMINE see Dichloroaniline

1,2-DICHLOROPROPANE see Propylene Dichloride

1,3-DICHLOROPROPENE
*Dow Chem Co

2,3-DICHLOROPROPENE (α-Epidichlorohydrin; α-Chloroallyl Chloride)
*Dow Chem Co
*Roberts Chems, Inc

2,6-DICHLOROQUINONE CHLORIMIDE
*Eastman Organic Chems

sym-DICHLOROTETRAFLUOROETHANE
►*Allied Chem Corp, General Chem Div
►American Potash & Chem Corp
►*E I duPont de Nemours & Co, "Freon" Products Div
*Pennsalt Chems Corp
*Union Carbide Chems Co

α,α-DICHLOROTOLUENE see Benzal Chloride

2,4-DICHLOROTOLUENE
*Heyden Newport Chem Corp
Hostachem Corp

3,4-DICHLOROTOLUENE
*Heyden Newport Chem Corp
Hostachem Corp

N-DICHLORO-p-TOLUENESULFONAMIDE see Dichloramine-T

DICUMAROL see Bishydroxycoumarin

DICUMYL PEROXIDE
*Hercules Powder Co

DICYANDIAMIDE (Dicyandiamine, Dicyanodiamide, Cyanoguanidine)
►*American Cyanamid Co, Industrial Chem Div
►Baird Chem Industries, Inc
Hummel Chem Co
International Selling Corp

DICYCLOHEXYLAMINE
►Baird Chem Industries, Inc
M W Hardy & Co
►*Monsanto Chem Co
*Abbot Labs

DICYCLOHEXYL CARBINOL
*Aldrich Chem Co
►*Trubek Labs

DICYCLOHEXYL CARBODIIMIDE
*Aldrich Chem Co
*Pierce Chem Co *Schwarz Labs

DICYCLOHEXYL KETONE
*Aldrich Chem Co
►*Trubek Labs

DICYCLOHEXYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
►Baird Chem Industries, Inc
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
►*Monsanto Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc

DICYCLOPENTADIENE
►Enjay Co
*Union Carbide Olefins Co *Velsicol Chem Corp

DICYCLOPENTADIENYL IRON (Ferrocene)
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs
Matheson Coleman & Bell
*Beacon Chem Industries

DIDECYL ADIPATE
Columbian Carbon Co
Harwick Standard Chem Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co

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Stoney-Mueller, Inc
*Union Carbide Chems Co

*B F Goodrich Chem Co *Rubber Corp of America

DIDECYL PHTHALATE

Columbian Carbon Co
Harwick Standard Chem Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*Union Carbide Chems Co

*B F Goodrich Chem Co *Thompson Chem Co
*Rubber Corp of America

DI-tert.-DODECYL POLYSULFIDE

*Phillips Petroleum Co, Special Products Div

DIDYMIUM CARBONATE

►*American Potash & Chem Corp
►Berkshire Chems, Inc
►*Davison Chem Co Div
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

DIDYMIUM FLUORIDE

►*American Potash & Chem Corp
►Berkshire Chems, Inc
►*Davison Chem Co Div
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

DIDYMIUM, METAL

►*American Potash & Chem Corp
►Berkshire Chems, Inc
City Chem Corp
►Davison Chem Co Div
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co *Heavy Minerals Co
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►Davison Chem Co Div
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*Var-Lac-Oid Chem Co

*Heavy Minerals Co

DIELDRIN

►American Potash & Chem Corp
►*Baird Chem Industries, Inc
*Olin Mathieson Chem Corp, Industrial Chem Div
*Pennsalt Chems Corp
H P Rossiger & Co
►Stauffer Chem Co
Thompson-Hayward Chem Co

*Shell Chem Corp

DIELECTRICS, GASEOUS

►*Allied Chem Corp, General Chem Div
►*E I du Pont de Nemours & Co, "Freon" Products Div

DIELECTRICS, LIQUID

*American Oil & Supply Co
*Baker Castor Oil Co
►*Commercial Solvents Corp
*Dow Corning Corp
►*E I du Pont de Nemours & Co, "Freon" Products Div
*Esso Standard Oil Co
►*Monsanto Chem Co
*L Sonneborn Sons
*Union Carbide Corp, Silicones Div

*Minnesota Mining & Mfg Co, Chem Div

DIELECTRICS, SILICONE

*Dow Corning Corp
*General Elec Co, Silicone Products
*Union Carbide Corp, Silicones Div

*Anderson Chem Co

DIELECTRICS, SOLID

*Croda, Inc
*Dow Corning Corp
*Esso Standard Oil Co
*Johns-Manville
*Union Carbide Corp, Silicones Div

DIETHANOLAMINE

►*Allied Chem Corp, Nitrogen Div
American Mineral Spirits Co
American Oil & Supply Co
►Baird Chem Industries, Inc
Barada & Page
R J Brown Co
Chemical Solvents, Inc
DeMert & Dougherty, Inc
*Dow Chem Co
►*Jefferson Chem Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
*Union Carbide Chems Co
Wallach-Gracer Export Corp

2,5-DIETHOXYANILINE (Aminohydroquinone Diethyl Ether)

*Antara Chem Div
►*Eastman Chem Products

DIETHOXYETHYL PHTHALATE

Stoney-Mueller, Inc

DIETHYLACETAL see Acetal

DIETHYL ADIPATE

Fallek Products Co
►Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co

DIETHYLAMINE

*Pennsalt Chems Corp
*Union Carbide Chems Co
Wallach-Gracer Export Corp

DIETHYLAMINE SALICYLATE

R W Greeff & Co

*Chemo Puro Mfg Corp *Meta Chem Corp

DIETHYLAMINOETHANETHIOL HYDROCHLORIDE

►*Evans Chemetics

N,N-DIETHYL-2-AMINOETHANOL

Fallek Products Co
►*Jefferson Chem Co
Kraft Chem Co
*Pennsalt Chems Corp
H P Rossiger & Co
*Union Carbide Chems Co

DIETHYLAMINOETHYL ACRYLATE

►*Borden Chem Co

β-DIETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE

Fisher Chem Co
*Michigan Chem Corp
*Nease Chem Co

*Barlow Chem Corp *Gamma Chem Corp
*Biorganic Labs *Hexagon Labs
*Freeman Industries

2-DIETHYLAMINOETHYL METHACRYLATE

►*Borden Chem Co
*Millmaster Chem Corp

*E I du Pont de Nemours & Co, Dyes & Chem Div

3-DIETHYLAMINOPROPYLAMINE

*Union Carbide Chems Co

DIETHYLAMINOPROPYL CHLORIDE HYDROCHLORIDE

*Michigan Chem Corp

*Barlow Chem Corp *Freeman Industries
*Biorganic Labs

N,N-DIETHYLANILINE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div

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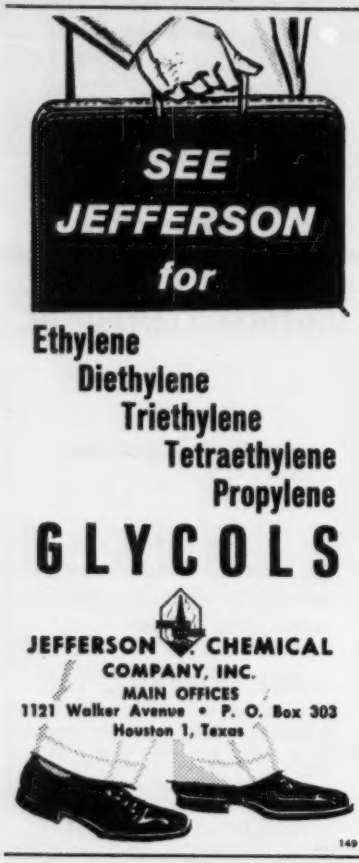
DIALKYL CHLOROALKYLAMINE HYDROCHLORIDES

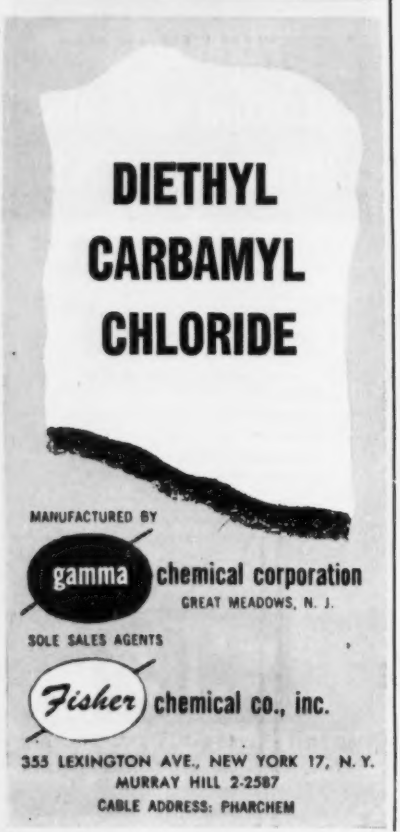
gamma-Diethylaminopropyl Chloride Hydrochloride (DEPC)
beta-Diethylaminoethyl Chloride Hydrochloride (DEC)
beta-Diisopropylaminoethyl Chloride Hydrochloride (DIC)
beta-Dimethylaminoethyl Chloride Hydrochloride (DMC)
beta-Dimethylaminoisopropyl Chloride Hydrochloride (DMIC)
gamma-Dimethylaminopropyl Chloride Hydrochloride (DMPC)
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DIETHYLBENZENES, MIXED
*Dow Chem Co
Philip A Hunt Co
*Koppers Co, Plastics Div *Metro-Atlantic, Inc

DI(2-ETHYLBUTYL) AZELATE
*Emery Industries
*Kessler Chem Co

DIETHYL CARBAMYL CHLORIDE
Fisher Chem Co
*Gamma Chem Corp

DIETHYL CARBINOL see 3-Pentanol

DIETHYL CARBONATE (Diatol, Ethyl Carbonate)
►*Delmar Chem Co
R W Greeff & Co
J F Henry Chem Co
►*U S Industrial Chem Co Div

N,N-DIETHYLCYCLOHEXYLAMINE
*E I du Pont de Nemours & Co, Dyes & Chem Div

DIETHYLDICHLOROSILANE
*Union Carbide Corp, Silicones Div
*Peninsular ChemResearch

DIETHYLENEDIAMINE see Piperazine

DIETHYLENE DIOXIDE see 1,4-Dioxane

DIETHYLENE GLYCOL
►*Allied Chem Corp, Nitrogen Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
American Mineral Spirits Co
*Antara Chem Div
►Baird Chem Industries, Inc
Barada & Page
►Barclay Chem Co
R J Brown Co
Browning Chem Corp
Chemical Solvents, Inc
DeMert & Dougherty
*Dow Chem Co
*Fallek Products Co
Fisher Scientific Co
Howe & French Inc
Independent Chem Corp
►*Jefferson Chem Co
►Jones Chems, Inc
E & F King & Co
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
Scholle Chem Corp
Solvents & Chems Group
J U Starkweather Co
Stoney-Mueller, Inc
*Union Carbide Chems Co
Wallach-Gracer Export Co
►*Wyandotte Chem Corp
*Acheson Colloids Co *C P Hall Co

DIETHYLENE GLYCOL BIS(CHLOROFORMATE)
*Columbia-Southern Chem Corp
J U Starkweather Co

DIETHYLENE GLYCOL DICARBAMATE
*Columbia-Southern Chem Corp

DIETHYLENE GLYCOL ETHERS see Ether, Diethylene Glycol

DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE
►Barclay Chem Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE
►Barclay Chem Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

DIETHYLENE GLYCOL MONOLAURATE
*Carlisle Chem Works
*Fanning Chem Corp
*Glyco Chems
*Kessler Chem Co
*Marcus Ruth Jerome Co
*Mathe Chem Co
►*Nopco Chem Co
Sole Chem Corp
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Beacon Chem Industries *C P Hall Co
*Eastern Color & Chem Co *Hodag Chem Corp
*Process Chem Co

DIETHYLENE GLYCOL MONOOLEATE
*Carlisle Chem Works
*Fanning Chem Corp
*Glyco Chems
*Kessler Chem Co
*Marcus Ruth Jerome Co
*Mathe Chem Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Beacon Chem Industries *Hodag Chem Corp
*Eastern Color & Chem Co *Process Chem Co
*C P Hall Co

DIETHYLENE GLYCOL MONORICINOLEATE
*Carlisle Chem Works
*Glyco Chems
*Kessler Chem Co
*Mathe Chem Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Eastern Color & Chem Co *Hodag Chem Corp
*C P Hall Co *Process Chem Co

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*Carlisle Chem Works
*Fanning Chem Corp
*Glyco Chems
R W Greeff & Co
*Kessler Chem Co
*Marcus Ruth Jerome Co
*Mathe Chem Co
►*Nopco Chem Co
Sole Chem Corp
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►*Witco Chem Co
*Amalgamated Chem Corp *C P Hall Co
*Beacon Chem Industries *Hodag Chem Corp
*Colgate-Palmolive Co *Process Chem Co
*Eastern Color & Chem Co

DIETHYLENE GLYCOL PHTHALATE
►*Food Machy & Chem Corp, Chems & Plastics Div
►Peerless Oil & Chem Corp

DIETHYLENE TRIAMINE
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
*Union Carbide Chems Co

N,N-DIETHYL ETHANOLAMINE see N,N-Diethyl-2-Aminoethanol

DIETHYL ETHOXYMETHYLENE MALONATE
*Aldrich Chem Co
►*Kay-Fries Chems

DIETHYL FUMARATE
*Hatco Chem Co
*NYQ Chem Div, S B Penick & Co

DI(2-ETHYLHEXYL) ADIPATE
►*Allied Chem Corp, Plastics & Coal Chems Div
Columbian Carbon Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
*Deecy Products Co *Rubber Corp of America
*C P Hall Co *Specialty Resins Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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DI(2-ETHYLHEXYL) AMINE (Dioctylamine)
*Union Carbide Chems Co
*Universal Oil Products Co

DI(2-ETHYLHEXYL) AZELATE
Columbian Carbon Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Emery Industries
*Kessler Chem Co
*Morton-Withers Chem Co
Stoney-Mueller, Inc
*Deecy Products Co
*C P Hall Co

DI(2-ETHYLHEXYL) FUMARATE
*Hatco Chem Co
*Rubber Corp of America

DI(2-ETHYLHEXYL) HEXAHYDROPHTHALATE
*Union Carbide Chems Co

DI(2-ETHYLHEXYL) HYDROGEN PHOSPHITE
*Kolker Chem Corp
►*Monsanto Chem Co
►*Virginia-Carolina Chem Corp

DI(2-ETHYLHEXYL) MALEATE
►*Borden Chem Co
*Hatco Chem Co
*Union Carbide Chems Co
*Rubber Corp of America

DI(2-ETHYLHEXYL) PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
►Celanese Corp of America, Chem Div
*Chemical Affiliates
Chemical Solvents, Inc
Columbian Carbon Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
Fallek Products Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Howe & French Inc
*Kolker Chem Corp
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►Peerless Oil & Chem Corp
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
*Deecy Products Co
*B F Goodrich Chem Co
*C P Hall Co.
*Rubber Corp of America
*Specialty Resins Co

DI(2-ETHYLHEXYL) SEBACATE
Columbian Carbon Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Florasynth Labs
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Rohm & Haas Co
Stoney-Mueller, Inc
*Deecy Products Co
*C P Hall Co
*Rubber Corp of America

DI(2-ETHYLHEXYL) SUCCINATE
*Scher Bros

DIETHYL HYDROGEN PHOSPHITE
►*Monsanto Chem Co
►*Virginia-Carolina Chem Corp

DIETHYL KETONE (Methacetone, Ethyl Propionyl, Propione, 3-Pentanone)
*Givaudan
*Union Carbide Chems Co
*Hexagon Labs
*Polychemical Labs

DIETHYL MALEATE see Ethyl Maleate

DIETHYL MALONATE see Ethyl Malonate

N,N-DIETHYL NICOTINAMIDE see Nikethamide

O,O-DIETHYL-p-NITROPHENYL THIOPHOSPHATE see Parathion

DIETHYL OXALATE see Ethyl Oxalate

DIETHYL PHTHALATE (Ethyl Phthalate)
American Mineral Spirits Co
►Baird Chem Industries, Inc
►Barclay Chem Co
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Fallek Products Co
Florasynth Labs
*Givaudan
R W Greeff & Co
*Hatco Chem Co
►Jones Chems, Inc
►*Kay-Fries Chems
*Kolker Chem Corp
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*Fritzsche Bros

2,2-DIETHYL-1,3-PROPANEDIOL
*Union Carbide Chems Co

DIETHYL STILBESTROL (Stilbestrol)
J H DeLamar Son
*Fallek Products Co
R W Greeff & Co
McKesson & Robbins, Inc, Chem Dept
*Abbott Labs
*Biorganic Labs
*Kaplop Labs
*Eli Lilly & Co
*Roselle Labs
*Sterol Derivatives

DIETHYL SUCCINATE see Ethyl Succinate

DIETHYL SULFATE (Ethyl Sulfate)
*Union Carbide Chems Co

DIETHYL SULFIDE see Ethyl Sulfide

1,3-DIETHYLTHIOUREA
*Pennsalt Chems Corp

N,N-DIETHYL-m-TOLUAMIDE
*Cowles Chem Co
*Fallek Products Co
*Hercules Powder Co

N,N-DIETHYL-m-TOLUIDINE
*E I du Pont de Nemours & Co, Dyes & Chem Div

1,1-DIFLUOROETHANE
*Kolker Chem Corp

DIGITALIS
Chas A Huisking & Co
*S B Penick & Co
*Prentiss Drug & Chem Co

DIGITOXIN
European Chem Co
Henley & Co
*S B Penick & Co
Roussel Corp
George Uhe Co
*Winthrop Labs
*Sandoz Pharmaceutical Div

DIGLYCOL AND ESTERS see Diethylene Glycol and Esters

Di-tert.-HEPTYL DISULFIDE
*Phillips Petroleum Co, Special Products Div

DIHEXYL ADIPATE
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Kessler Chem Co
*Morton-Withers Chem Co

DIHEXYL AZELATE
*Emery Industries
*Kessler Chem Co
*Morton-Withers Chem Co

DIHEXYL PHTHALATE (Di[2-Ethyl Butyl] Phthalate)
*Advance Solvents & Chem Div
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Kolker Chem Corp
*Morton-Withers Chem Co
*Rubber Corp of America

DIHEXYL SEBACATE
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Morton-Withers Chem Co

DIHYDRAZINE SULFATE
*Olin Mathieson Chem Corp, Industrial Chems

DIHYDROCHOLESTEROL
*Aldrich Chem Co
*Winthrop Labs

DIHYDROSTREPTOMYCIN
►*American Cyanamid Co, Fine Chems Dept
Browning Chem Corp
Fallek Products Co
►*Merck Chem Div

DIHYDROSTREPTOMYCIN SULFATE
Fallek Products Co
►*Merck Chem Div
George Uhe Co
*Eli Lilly & Co

DIHYDROXYACETONE
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs

1,2-DIHYDROXYANTHRAQUINONE see Alizarin

1,4-DIHYDROXYANTHRAQUINONE see Quinizarin

m-DIHYDROXYBENZENE see Resorcinol

o-DIHYDROXYBENZENE see Pyrocatechol

p-DIHYDROXYBENZENE see Hydroquinone

DIHYDROXYCAMPHENE see Borneol

1,10-DIHYDROXYDECANE see Decamethylene Glycol

o,o'-DIHYDROXYDIPHENYL see o,o'-Biphenol

4,4'-DIHYDROXYDIPHENYLSULFONE
►Baird Chem Industries, Inc
►*Monsanto Chem Co
*United States Pipe & Foundry Co

1,3-DIHYDROXYNAPHTHALENE (Napthoresorcinol)
*Eastman Chem Co
*R S A Corp
*Schwarz Labs

1,5-DIHYDROXYNAPHTHALENE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
George Uhe Co

1,6-DIHYDROXYNAPHTHALENE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div

2,3-DIHYDROXYNAPHTHALENE-6-SODIUM SULFONATE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Wallace A Erickson & Co
*Fairmount Chem Co
*Industrial Dyestuff Co
*Wilson Organic Chems

di-3-(3,4-DIHYDROXY PHENYL) ALANINE
*R S A Corp
*Winthrop Labs

DIHYDROXYPHTHALOPHENONE see Phenolphthalein

DIIODOHYDROXYQUINOLINE
*Aldrich Chem Co
*Falick Products Co
Fisher Chem Co
*Metalsalts Corp
Millmaster Chem Corp
*R S A Corp
*Biorganic Labs
*Polychemical Labs
*Gamma Chem Corp

DIIODOHYDROXYQUINOLINE ARSANILATE
*R S A Corp
*Biorganic Labs
*E L Lemke & Co
*Chemo Puro Mfg Corp
*Polychemical Labs

DIIODOMETHANE see Methylene Iodide

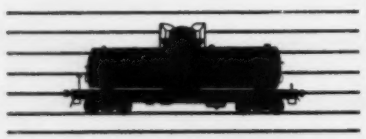
1,3-DIIODOPROPANE see Trimethylene Diiodide

DIIODOTYROSINE
*Aldrich Chem Co
*Eastman Organic Chems
*R S A Corp
*Fairmount Chem Co
*Polychemical Labs

DIISOBUTYL ADIPATE
►*Eastman Chem Products
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
*Kessler Chem Co
*Deecy Products Co
*C P Hall Co

DIISOBUTYLAMINE
*Pennsalt Chems Corp

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*Phillips Petroleum Co, Special Products Div
*Atlantic Refining Co
*The Texas Co

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►Baird Chem Industries, Inc
Chemical Solvents, Inc
►Jones Chems, Inc
►Modern Solvents & Chems Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

DIISOBUTYL PHTHALATE
American Mineral Spirits Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
*Hatco Chem Co
Stoney-Mueller, Inc
*Thompson Chem Co

DIISOBUTYL SUCCINIC ACID ANHYDRIDE
►*Humphrey-Wilkinson

DIISOCYANATES
►*Allied Chem Corp, National Aniline Div
*Falick Products Co
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Carwin Co
*Mobay Chem Co

DIISODECYL ADIPATE
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Food Machy & Chem Corp, Chems & Pastics Div
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Pittsburgh Coke & Chem Co
Stoney-Mueller, Inc
*Deecy Products Co
*Rubber Corp of America
*Dewey & Almy Chem Div
*Thompson Chem Co

DIISODECYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
Chemical Solvents, Inc
Columbian Carbon Co
R W Greeff & Co
►*Food Machy & Chem Corp, Chems & Plastics Div
*Harchem Div, Wallace & Tiernan Inc
Harwick Standard Chem Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Deecy Products Co
*Rubber Corp of America
*Dewey & Almy Chem Div
*Thompson Chem Co

DIISOOCTYL ADIPATE
►Baird Chem Industries, Inc
*Chemical Affiliates
Columbian Carbon Co
►*Food Machy & Chem Corp, Chems & Plastics Div
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
*Pittsburgh Coke & Chem Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Dewey & Almy Chem Div
*Rubber Corp of America
*Thompson Chem Co
*C P Hall Co

DIISOOCTYL AZELATE
►*Eastman Chem Products
*Emery Industries
*Kessler Chem Co
*Morton-Withers Chem Co
*Dewey & Almy Chem Div
*Thompson Chem Co
*C P Hall Co

DIISOOCTYLDECYL PHTHALATE
American Mineral Spirits Co
Columbian Carbon Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
*Morton-Withers Chem Co
Stoney-Mueller, Inc
*Deecy Products Co
*Rubber Corp of America
*Dewey & Almy Chem Div
*Thompson Chem Co

DIISOOCTYL FUMARATE
*Hatco Chem Co
*Rubber Corp of America

DIISOOCTYL MALEATE
*Hatco Chem Co
*Rubber Corp of America

DIISOOCTYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
American Mineral Spirits Co
►Baird Chem Industries, Inc
*Chemical Affiliates
Columbian Carbon Co
DeMert & Dougherty, Inc
►*Eastman Chem Products
►*Food Machy & Chem Corp, Chems & Plastics Div
R W Greeff & Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Hercules Powder Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Solvents & Chems Group
Stoney-Mueller, Inc
►*Witco Chem Co
*Deecy Products Co
*Specialty Resins Co
*Rubber Corp of America
*Thompson Chem Co

DIISOOCTYL SEBACATE
American Mineral Spirits Co
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Rohm & Haas Co
Stoney-Mueller, Inc
*C P Hall Co
*Rubber Corp of America

DIISOPROPANOLAMINE
*Dow Chem Co
*Union Carbide Chems Co

DIISOPROPYLAMINE
*Pennsalt Chems Corp
*Union Carbide Chems Co

DIISOPROPYLBENZENE
*Dow Chem Co

DIISOPROPYLCARBINOL see 2,4-Dimethyl-3-Pentanol

2,6-DIISOPROPYLPHENOL
*Aldrich Chem Co

1,3-DIISOPROPYLTHIOUREA
*Pennsalt Chems Corp

DILAURYL MALEATE
*Hatco Chem Co

DILUENTS, LACQUER
Chemical Solvents, Inc
*Johns-Manville
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Stoney-Mueller, Inc
*Union Carbide Chems Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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DIMERCAPROL see 2,3-Dimercapto-propanol

2,3-DIMERCAPTOPROPANOL
*Aldrich Chem Co
*R S A Corp
*Kaplop Labs
*Meta Chem Corp
*Simpson Labs

2,5-DIMETHOXYANILINE
*Antara Chem Div
►*Eastman Chem Products

DIMETHOXYBENZIDINE see Dianisidine

p,p'-DIMETHOXYBENZOIN see Anisoin

p,p'DIMETHOXYBENZOPHENONE
►*Trubek Labs

1,2-DIMETHOXYETHANE
*Ansul Chem Co
*Arapahoe Chem
Matheson Coleman & Bell

DIMETHOXYETHYL PHTHALATE
►*Eastman Chem Products
►*Food Machy & Chem Corp, Chems & Plastics Div
*Kessler Chem Co
Stoney-Mueller, Inc

DIMETHOXYMETHANE see Methylal

2,2-DIMETHOXYPROPANE
*Dow Chem Co

DIMETHOXY STRYCHNINE see Brucine

DIMETHYLACETAL
►*Aceto Chem Co

DIMETHYLACETAMIDE
*Arapahoe Chem
*Eastern Chem Corp
*Eastman Organic Chems

DIMETHYLACETONEDICARBOXYLATE
*Aldrich Chem Co

DIMETHYLACETYLENEDICARBOXYLATE
*Eastman Organic Chems
*Farchan Research Labs
*Kaplop Labs

DIMETHYL ADIPATE
*Hatco Chem Co

DIMETHYLAMINE
►*Commercial Solvents Corp
Matheson Co
*Pennsalt Chems Corp
►*Rohm & Haas Co
*E I du Pont de Nemours & Co, Grasselli Chem

DIMETHYLAMINE BORANE
*Callery Chem Co

p-DIMETHYLAMINOBENZALDEHYDE
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*Eastman Organic Chems
*Fine Organics
*Matheson Coleman & Bell
*Andor Labs
*Fairmount Chem Co

DIMETHYLAMINOETHANOL (Dimethyl Ethanolamine)
*Pennsalt Chems Corp
*Union Carbide Chems Co
*Tracerlab Inc

DIMETHYLAMINOETHYL CHLORIDE HYDROCHLORIDE
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*Millmaster Chem Corp
*Nease Chem Co
*Barlow Chem Corp
*Biorganic Labs
*Gamma Chem Corp
*Hexagon Labs
*Nepera Chem Co

2-DIMETHYLAMINO-4-HYDROXY-1-METHYL BENZENE
►*Allied Chem Corp, National Aniline Div

DIMETHYLAMINOISOPROPYL CHLORIDE HYDROCHLORIDE
*Michigan Chem Corp
*Millmaster Chem Corp
*Nease Chem Co
*Barlow Chem Corp
*Freeman Industries
*Hexagon Labs

1-DIMETHYLAMINO-2-PROPANOL
*Trylon Chems

3-DIMETHYLAMINOPROPYLAMINE
*Union Carbide Chems Co

DIMETHYLAMINOPROPYL CHLORIDE HYDROCHLORIDE
*Michigan Chem Corp
*Nease Chem Co
*Barlow Chem Corp
*Freeman Industries
*Hexagon Labs

N,N-DIMETHYLANILINE
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
Fallek Products Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

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Florasynth Labs
*Givaudan
*Felton Chem Co
*Gamma Chem Corp
*Polak's Frutal Works
*Shulton Inc

DIMETHYLBENZENE see Xylene

DIMETHYLBENZIDINE see Tolidine

2,3-DIMETHYL BUTADIENE-1,3
►*Borden Chem Co

2,3-DIMETHYL BUTANE
*Phillips Petroleum Co, Special Products Div

DIMETHYL CARBAMYL CHLORIDE
*Aldrich Chem Co
Fisher Chem Co
*Ott Chem Co
*Gamma Chem Corp

DIMETHYL CARBINOL see Alcohol, Isopropyl

DIMETHYL CARBONATE
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DIMETHYL CYCLOHEXANOLS, MIXED
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2,5-DIMETHYL CYCLOHEXANONE
►Baird Chem Industries, Inc

DIMETHYLDICHLOROSILANE
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*General Elec Co, Silicone Products
*Union Carbide Corp, Silicones Div

DIMETHYLDICHLOROVINYL PHOSPHATE
R W Greeff & Co

DIMETHYLDIETHOXYSILANE
*Dow Corning Corp
*Union Carbide Corp, Silicones Div
*Anderson Chem Co

4,4'-DIMETHYL-2,2'-DIPYRLDINE
*G Frederick Smith Chem Co

DIMETHYL ETHANOLAMINE see Dimethylaminoethanol

DIMETHYLETHYLCARBINOL see Alcohol, tert.-Amyl

DIMETHYL ETHYNYL CARBINOL see 2-Methyl-3-Butyn-2-ol

N,N-DIMETHYL ETHYLENEDIAMINE
*Eastern Chem Corp
*K & K Labs
*Millmaster Chem Corp
*Ames Labs

α,α-DIMETHYL ETHYLENE OXIDE see Isobutylene Oxide

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►*J T Baker Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem

DIMETHYL FURAN
*Roberts Chems, Inc

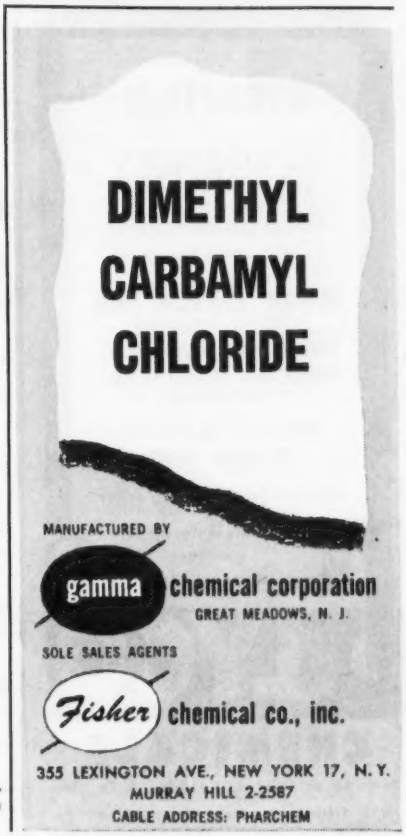
DIMETHYL GLYCOL PHTHALATE
*Kessler Chem Co

DIMETHYL GLYOXIME (Diacetyldioxime)
►*Aceto Chem Co
►*J T Baker Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co
*Andor Labs

2,6-DIMETHYL-4-HEPTANOL (Diisobutyl Carbinol)
*Union Carbide Chems Co

2,6-DIMETHYLHEPTENE-3
*Phillips Petroleum Co, Special Products Div

2,5-DIMETHYL HEXADIENE-1,5
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►*Benzol Products Co
*Farchan Research Labs
*NYQ Chem Div, S B Penick & Co



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*NYQ Chem Div, S B Penick & Co

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DIMETHYL HEXANEDIOL
*Air Reduction Chem Co Div
Wallach-Gracer Export Corp

DIMETHYL HEXYNEDIOL
*Air Reduction Chem Co Div
*Farchan Research Labs

DIMETHYL HEXYNOL (3,5-Dimethyl-1-Hexyne-3-ol)
*Air Reduction Chem Co Div
*Farchan Research Labs

DIMETHYL HYDANTOIN (Acetonyl Urea)
*Glyco Chems
Millmaster Chem Corp
*Beacon Chem Industries

DIMETHYL HYDANTOIN FORMALDEHYDE RESIN (DMHF)
*Glyco Chems
*Carlstadt Chem Co

sym-DIMETHYLHYDRAZINE (1,2-Dimethylhydrazine)
*Aldrich Chem Co
*K & K Labs

uns-DIMETHYLHYDRAZINE (1,1-Dimethylhydrazine)
*Aldrich Chem Co
►*Commercial Solvents Corp
*Olin Mathieson Chem Corp, Industrial Chems
►*Westvaco Chlor-Alkali Div

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►*Virginia-Carolina Chem Corp

DIMETHYL HYDROQUINONE
*Givaudan
R W Greeff & Co
*Rhodia, Inc

N'-(1,1-DIMETHYL-2-HYDROXYETHYL)-2-METHYL-1,2-PROPANEDIAMINE
►*Commercial Solvents Corp

DIMETHYL ISOPHTHALATE
*Hercules Powder Co

DIMETHYLKETONE see Acetone

DIMETHYL MALONATE
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*Var-Lac-Oid Chem Co
*Rhode Island Labs

DIMETHYL NAPHTHALENES
*Aldrich Chem Co
*Reilly Tar & Chem Corp

DIMETHYL OCTANEDIOL
*Air Reduction Chem Co Div

DIMETHYL OCTANOL
*Air Reduction Chem Co Div
*Givaudan
*Van Ameringen-Haebler Div

DIMETHYL OCTYNEDIOL
*Air Reduction Chem Co Div
*Farchan Research Labs
*Reilly Tar & Chem Corp

DIMETHYLOL UREA
*Carlstadt Chem Co
*Warwick Chem Co Div

DIMETHYL PENTANES
*Phillips Petroleum Co, Special Products Div

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*G Frederick Smith Chem Co

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*Chemical Affiliates
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DeMert & Dougherty, Inc
►*Eastman Chem Products
*Fallek Products Co
*Hatco Chem Co
►Jones Chems, Inc
►*Kay-Fries Chems
*Kolker Chem Corp
►*Monsanto Chem Co
►Peerless Oil & Chem Corp
S B Penick & Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc

2,5-DIMETHYL PIPERAZINE (cis- and trans-Isomers)
*Aldrich Chem Co
►*Wyandotte Chem Corp
*Polychemical Labs

2,5-DIMETHYLPYRAZINE
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►*Wyandotte Chem Corp

DIMETHYL PYRIDINE see Lutidine

DIMETHYL RESORCINOLS
R W Greeff & Co

DIMETHYL SEBACATE
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*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co

DIMETHYL SULFATE (Methyl Sulfate)
*E I du Pont de Nemours & Co, Polychem Dept
Matheson Coleman & Bell

DIMETHYL SULFIDE see Methyl Sulfide

DIMETHYL SULFOXIDE
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*Stepan Chem Co
Wallach-Gracer Export Corp

DIMETHYL TEREPHTHALATE
*Amoco Chems Corp
*E I du Pont de Nemours & Co, Explosives Dept
*Hercules Powder Co

N,N-DIMETHYL-p-TOLUIDINE
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*Eastman Organic Chems
*R S A Corp
*Sartomer Resins, Inc
*Wallace A Erickson & Co
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DINAPHTHYLENETHIOPHENE
*Aldrich Chem Co
*Diversey Corp

2,4-DINITROANILINE
►Aceto Chem Co
*American Cyanamid Co, Organic Chem Div
►*Koppers Co, Chems & Dyestuffs Div

2,4-DINITROANISOLE (m-Dinitroanisole)
*Fine Organics

m-DINITROBENZENE
►Allied Chem Corp, National Aniline Div
*Fisher Scientific Co
Wallach-Gracer Export Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div

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o-DINITROBENZENE
*Aldrich Chem Co

3,5-DINITROBENZOYL CHLORIDE
*Eastern Chem Corp
*Freeman Industries

2,4-DINITROCHLOROBENZENE (Dinitrochlorobenzol)
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2,4,-DINITROPHENOL (α-Dinitrophenol)
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2,4-DINITROPHENYLHYDRAZINE
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*Fine Organics

4,4'-DINITROSTILBENE-2,2'-DISODIUM SULFONATE
►Allied Chem Corp, National Aniline Div
*Ciba Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Sandoz, Inc

2,4-DINITROTOLUENE (Dinitrotoluol)
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Fallek Products Co
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DINITROTOLUENES, MIXED
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*E I du Pont de Nemours & Co, Dyes & Chem Div

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*Hatco Chem Co
*Kessler Chem Co

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*Antara Chem Div

DINONYL PHTHALATE
*Hatco Chem Co
*Kessler Chem Co
*Morton-Withers Chem Co

DINONYL SEBACATE
*Hatco Chem Co

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►Baird Chem Industries, Inc
Columbian Carbon Co
►*Eastman Chem Products
*Harchem Div, Wallace & Tiernan Inc
Harwick Standard Chem Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*Deecy Products Co
*B F Goodrich Chem Co
*C P Hall Co
*Rubber Corp of America
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*Kessler Chem Co
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*Sherwin-Williams Co
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*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
►*Reichhold Chems, Inc
*Rubber Corp of America

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*Hatco Chem Co
*Kessler Chem Co
Lotte Chem Corp
*Morton-Withers Chem Co
McKesson & Robbins, Inc, Chem Dept
*Sherwin-Williams Co
Stoney-Mueller, Inc
Washine Chem Corp
►*Witco Chem Co
*Dewey & Almy Chem Div

DI-tert.-OCTYL POLYSULFIDE
*Phillips Petroleum Co, Special Products Div

DIOCTYL SEBACATE
Columbian Carbon Co
*Harchem Div, Wallace & Tiernan Inc
*Hatco Chem Co
*Mathe Chem Co
►*Nopco Chem Co
*Pittsburgh Coke & Chem Co
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Stoney-Mueller, Inc
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*Fisher Scientific Co
Howe & French Inc
Matheson Coleman & Bell
►Peerless Oil & Chem Corp
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*Hercules Powder Co
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►*Monsanto Chem Co
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DIPHENYLACETONE
*Givaudan
►*Trubek Labs
*Hexagon Labs

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R W Greeff & Co
*Winthrop Labs
*Gamma Chem Corp
*Eli Lilly & Co

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*Farchan Research Labs
*K & K Labs
*Beacon Chem Industries
*Kaplop Labs
*Pilot Chems, Inc

DIPHENYLAMINE (Phenylaniline)
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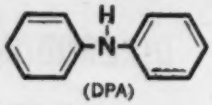
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DIPHENYLCARBAZONE
*Eastern Chem Corp
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►*Monsanto Chem Co

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*Air Reduction Chem Co Div
*Farchan Research Labs

DIPHENYLHYDANTOIN
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R W Greeff & Co
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*Hexagon Labs

DIPHENYLHYDANTOIN SODIUM
*Fallek Products Co
*Gane & Ingram
R W Greeff & Co
Millmaster Chem Corp
*NYQ Chem Div, S B Penick & Co

*Hexagon Labs *Polychemical Labs

DIPHENYL KETONE see Benzophenone

DIPHENYLMETHANE (Methylenediphenyl, Benzylbenzene)
*Dow Chem Co
*Givaudan
►*Trubek Labs

2,5-DIPHENYLOXAZOLE
*Aldrich Chem Co
*Arapahoe Chem
*K & K Labs

*Pilot Chems, Inc

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*Dow Chem Co
*Givaudan
S B Penick & Co

*Felton Chem Co Inc *Schimmel & Co

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DIPHENYL PHTHALATE
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DIPHENYLTHIOCARBAZONE
►*J T Baker Chem Co
*Eastern Chem Corp
*Fine Organics

N,N'-DIPHENYLTHIOUREA see Thiocarbanilide

N,N'-DIPHENYLUREA see Carbanilide

DIPPEL see Oil, Bone

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*Pennsalt Chems Corp

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DeMert & Dougherty, Inc
*Dow Chem Co
►*Jefferson Chem Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Scholle Chem Corp
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
Washine Chem Corp

DIPROPYLENE GLYCOL DIBENZOATE
*Kolker Chem Corp

*Tennessee Products & Chem Corp

DIPROPYLENE GLYCOL DIPELARGONATE
*Kessler Chem Co

DIPROPYLENE GLYCOL ESTERS
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McKesson & Robbins, Inc, Chem Dept
*Morton-Withers Chem Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*C P Hall Co *Hodag Chem Corp

DIPROPYLENE GLYCOL MONOSALICYLATE

*Colgate-Palmolive Co

DIPROPYLENE GLYCOL MONOSTEARATE
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►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*C P Hall Co *Hodag Chem Corp

DI-n-PROPYL KETONE (Butyrone)
Florasynth Labs
*K & K Labs

*Edcan Labs

DI-n-PROPYL MALEATE
*K & K Labs

DIPROPYLMETHANE see Heptane

2,2'-DIPYRIDYL (2,2'-Bipyridyl, 2,2'-Bipyridine)
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*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*K & K Labs
*R S A Corp
*G Frederick Smith Chem Co

*Edcan Labs *Fairmount Chem Co

2,2'-DIPYRIDYLETHYL SULFIDE
*K & K Labs

2,2'-DIPYRIDYL FERROUS SULFATE
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R W Greeff & Co
*R S A Corp
*G Frederick Smith Chem Co

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*R S A Corp
*Polychemical Labs

2,2' DIQUINOLINE
*Eastman Organic Chems
*K & K Labs
*G Frederick Smith Chem Co

DISCHARGE AGENTS see Strippers, Textile

DISCHARGE LAKE R see p-Nitroaniline, Red

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*Hercules Powder Co
*Heyden Newport Chem Corp
*Neville Chem Co
►*Onyx Oil & Chem Co
►*Rohm & Haas Co
Tar Residuals
*Thompson-Hayward Chem Co
*Trio Chem Works
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Witco Chem Co

*Coopers Creek Chem Corp
*Crowley Tar Products Co
*Fuld Bros
*Gallowhur Chem Corp
*Hercules Powder Co
*Illinois Minerals Co
*Octagon Process, Inc
*Uncle Sam Chem Co

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*Trio Chem Works

*Alpine Aromatics
*Amalgamated Chem Corp
*Chemical Compounding Corp
*Coopers Creek Chem Corp
*Crowley Tar Products Co
*B R Elk & Co
*Norton Chem Works
*Octagon Process, Inc
*Uncle Sam Chem Co
*Whitmoyer Labs

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►*Rohm & Haas Co
*Thompson-Hayward Chem Co
*Trio Chem Works

*Ampion Corp
*Arol Chem Products
*Chemical Compounding Corp
*Clarkson Labs
*Coopers Creek Chem Corp
*Crowley Tar Products Co
*B R Elk & Co
*Octagon Process, Inc
*Uncle Sam Chem Co
*Whitmoyer Labs
*Zophar Mills

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*Heyden Newport Chem Corp
Intex Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
*Pennsalt Chems Corp
*Thompson-Hayward Chem Co
*Trio Chem Works
*Union Carbide Chems Co
►*Wyandotte Chem Corp

*Alpine Aromatics
*Ampion Corp
*Arol Chem Products Co
*Clarkson Labs
*Columbia Wax Co
*Coopers Creek Chem Corp
*Crowley Tar Products Corp
*Diversey Corp
*B R Elk & Co
*Fuld Bros
*Gallowhur Chem Corp
*Hagan Chem & Controls
*Lorenz Chem Co
*Norton Chems Works
*Oakite Products
*Octagon Process, Inc
*Oil-Kraft, Inc
*Penetone Co
*E W Smith Chem Co
*Uncle Sam Chem Co
*Wallerstein Co
*Warwick Chem Co Div
*Whitmoyer Labs

DISINFECTANTS, SOIL
*Antara Chem Div
*W A Cleary Corp
*Dow Chem Co
*Heyden Newport Chem Corp
Merchants Chem Co
►*Stauffer Chem Co
*Thompson-Hayward Chem Co
*Trio Chem Works

*E I du Pont de Nemours & Co, Electrochem Dept
*Norton Chem Works
*E I du Pont de Nemours & Co, Grasselli Chem
*Solvit Chem Co

DISODIUM DIHYDROGEN PYROPHOSPHATE see Sodium Acid Pyrophosphate

DISODIUM DIHYDROXYBENZENE DISULFONATE
*Eastern Chem Corp
*Eastman Organic Chems
*Winthrop Labs

DISODIUM ETHYLENEDIAMINE TETRAACETATE, DIHYDRATE
►*J T Baker Chem Co
City Chem Corp
Fisher Scientific Co
*Glyco Chems
G Frederick Smith Chem Co
*Bio-Rad Labs
*E I du Pont de Nemours & Co, Grasselli Chem
*A R Maas Chem Co Div

DISODIUM ETHYLENE BIS-DITHIOCARBAMATE
*E I du Pont de Nemours & Co, Grasselli Chem
*Roberts Chems, Inc

DISODIUM METHYLARSENATE (Arrhenal; Sodium Methylarsenate; Methanearsonic Acid, Disodium Salt)
*Ansul Chem Co
City Chem Corp
*W A Cleary Corp
*Arenol Chem Corp
*Norton Chem Works

DISODIUM PHENYL PHOSPHATE
►*Allied Chem Corp, National Aniline Div
City Chem Corp
*Eastern Chem Corp
*Matheson Coleman & Bell
*Paul-Lewis Labs

DISPERSING AGENTS, CEMENT
►*Allied Chem Corp, National Aniline Div
*Falek Products Co
*Johns-Manville
*Maher Color & Chem Co
Merchants Chem Co
►M Michel & Co
►*Monsanto Chem Co
►*Rohm & Haas Co
*Rumford Chem Works
►*Wilson-Martin (Div Wilson & Co)
*Jacques Wolf & Co

*Adhesive Products Corp
*Colgate-Palmolive Co
*Consolidated Water Power & Paper Co
*Crown Zellerbach Corp
*Dewey & Almy Chem Div
*Essential Chem Co
*A R Maas Chem Co Div
*Marathon Corp
*Mona Industries
*Process Chem Specialties
*Procter & Gamble Co
*Puget Sound Pulp & Timber Co
*Rubba, Inc
*Sandoz, Inc
*Seaboard Chem
*Sullivan Co
*Swift & Co, General Soap Dept
*R T Vanderbilt Co
*W Va Pulp & Paper Co, Polychems Div

DISPERSING AGENTS, LEATHER
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Geigy Dyestuffs Div
*Glyco Chems
*Maher Color & Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Rohm & Haas Co
*Rumford Chem Works
*L Sonneborn Sons
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co

*Adell Chem Co
*Atlas Refinery Inc
*Borne Chem Co
*Colgate-Palmolive Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Fiber Chem Corp
*Finetex, Inc
*Hodag Chem Corp
*Marathon Corp
*Mona Industries
*Process Chem Specialties
*Procter & Gamble Co
*Sandoz, Inc
*Seaboard Chem
*Swift & Co, General Soap Dept
*R T Vanderbilt Co
*Warwick Chem Co Div
*Wye Industries

DISPERSING AGENTS, PAPER
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*Glyco Chems
*Johns-Manville
►M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Peerless Oil & Chem Corp
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*Rumford Chem Works
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co

*Adell Chem Co
*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Bennett Inc
*Colgate-Palmolive Co
*Continental Chem Co
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Essential Chem Co
*Geigy Industrial Chem Div
*Hagan Chem & Controls
*C P Hall Co
*Hodag Chem Corp
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*Mona Industries
*New York Color & Chem Co
*Process Chem Specialties
*Procter & Gamble Co
*Puget Sound Pulp & Timber Co
*Sandoz, Inc
*Seaboard Chem
*Swift & Co, General Soap Dept
*R T Vanderbilt Co
*Wica Chem
*Wye Industries

DISPERSING AGENTS, PIGMENT
*Advance Solvents & Chem Div
*Air Reduction Chem Co Div
►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
►*Borden Chem Co
*Ciba Co
*W A Cleary Corp
►*Commercial Solvents Corp
*Degen Oil & Chem Co
*Falek Products Co
*Geigy Dyestuffs Div
*Glyco Chems
*Johns-Manville
*H Kohnstamm & Co
*Maher Color & Chem Co
*Mallinckrodt Chem Works
Merchants Chem Co
►*M Michel & Co

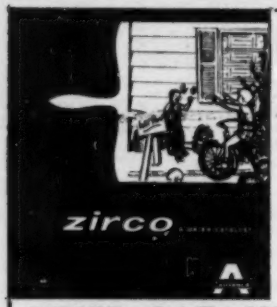
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►*Monsanto Chem Co
►*Nopco Chem Co
*Nuodex Products Co
►*Rohm & Haas Co
*Rumford Chem Works
*L Sonneborn Sons
*Synthetic Chem
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*American Lecithin Co
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Colgate-Palmolive Co
*Consolidated Water Power & Paper Co
*Crown Zellerbach Corp
Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Hagan Chem & Controls
*Hodag Chem Corp
*Kenrich Corp
*Marathon Corp
*Mona Industries
*National Aluminate Corp
*New York Color & Chem Co
*Pennsylvania Refining Co
*Process Chem Specialties
*Puget Sound Pulp & Timber Co
*Raybo Chem Co
*Sandoz, Inc
*Scher Bros
*Seaboard Chem
*Swift & Co, General Soap Dept
*Troy Chem Co
*U B S Chem Corp
*R T Vanderbilt Co
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem

DISPERSING AGENTS, RUBBER

►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Plastics & Coal Chems Div
*Antara Chem Div
*Glyco Chems
Harwick Standard Chem Co
►*Jefferson Chem Co
*Johns-Manville
*Maker Color & Chem Co
►*M Michel & Co
►*Nopco Chem Co
►*Rohm & Haas Co
*L Sonneborn Sons
*Synthetic Chem
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Adhesive Products Corp
*Atlas Refinery Inc
*Colgate-Palmolive Co
*Crown Zellerbach Corp
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*C P Hall Co
*Hodag Chem Corp
*Kenrich Corp
*Marathon Corp
*Mona Industries
*National Aluminate Corp
*New York Color & Chem Co
*Process Chem Specialties
*Rubba, Inc
*Seaboard Chem
*Swift & Co, General Soap Dept
*R T Vanderbilt Co
*Wica Chem
*Wye Industries

DISPERSING AGENTS, TEXTILE

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Ciba Co
*Concord Chem Co
*Geigy Dyestuffs Div
Glyco Chems
►*Koppers Co, Chems & Dyestuffs Div
Merchants Chem Co
►*M Michel & Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
►*Rohm & Haas Co
*Rumford Chem Works
*L Sonneborn Sons
*Synthetic Chem
*Ultra Chem Works Div
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Adell Chem Co
*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Arol Chem Products
*Atlas Refinery Inc
*Borne Chem Co
*Burkart-Schier Chem Co
*Caristadt Chem Co
*Colgate-Palmolive Co
*Continental Chem Co
*Crown Chem Corp
*Dewey & Almy Chem Div

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shorten milling time
stabilize dispersions

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*Emkay Chem Co
*Fabric Chem Co
*Fiber Chem Corp
*Hagan Chem & Controls
*Hodag Chem Corp
*E F Houghton & Co
*Joy Chem Co
*Marathon Corp
*Marlowe-Van Loan Corp
*Mona Industries
*Nyanza Color & Chem Co
*Process Chem Specialties
*Procter & Gamble Co
*Royce Chem Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Seaboard Chem
*A E Staley Mfg Co
*Swift & Co, General Soap Dept
*Tanatex Chem Corp
*R T Vanderbilt Co
*Warwick Chem Co Div
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem
*Wye Industries

DISPERSIONS, NATURAL RESIN & GUM

*Hercules Powder Co
*H Kohnstamm & Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Adhesive Products Corp
*Acheson Colloids Co
*Alco Oil & Chem Corp
*American Finish & Chem Co
*American Lignite Products
*Bennett Inc
*Crown Chem Corp
*Joy Chem Co
*Mona Industries
*Naugatuck Chem Div
*New York Color & Chem Co
*Pennsylvania Color & Chem Co
*Pyroxylin Products
*Rubba, Inc
*Scher Bros
*Wica Chem

DISPERSIONS, PIGMENT see **Pigment Dispersions**

DISPERSIONS, SYNTHETIC RESIN

►*Borden Chem Co
*Catalin Corp of America
*Maher Color & Chem Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
*Pennotex Oil Corp
*Pennsylvania Industrial Chem Corp
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Stein, Hall & Co
*Acheson Colloids Co
*Adhesive Products Corp
*American Finish & Chem Co
*American Molding Powder & Chem Corp
*Carlstadt Chem Co
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Emkay Chem Co
*Finetex Inc
*Firestone Plastics Co
*Hadley Bros-Uhl Co
*Industrial Chem Specialties
*Major Chem & Latex Corp
*National Starch & Chem Corp
*Nagatuck Chem Div
*Nyanza Color & Chem Co
*Polyvinyl Chems
*Process Chem Specialties
*Pyroxylin Products
*Reynolds Chem Products Co
*Rubba, Inc
*Rubber Corp of America
*Shanco Plastics & Chems
*Scholler Bros
*U B S Chem Corp
*Union Carbide Plastics
*Wica Chem

DITHIOCARBAMATES

*W A Cleary Corp
►*Monsanto Chem Co
*Pennsalt Chems Corp
►*Rohm & Haas Co
*Alco Oil & Chem Corp
*F W Berk & Co
*Chemical Insecticide Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Naugatuck Chem Div
*Roberts Chems, Inc

DITHIOOXAMIDE

*Eastern Chem Corp
*Eastman Organic Chems
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Andor Labs

1,1-DITOLYLETHANE

*K & K Labs

DI-o-TOLYLGUANIDINE

►*Aceto Chem Co
*American Cyanamid Co, Organic Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

DIURETIN see **Theobromine Sodium Salicylate**

DIVINYL see **Butadiene**

DIVINYLBENZENES, MIXED

*Dow Chem Co
*Koppers Co, Plastics Div

n-DOCOSANE

►*Humphrey-Wilkinson
*Archer-Daniels-Midland Co

DODECANE

►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div
*Archer-Daniels-Midland Co

1-DODECENE

*Aldrich Chem Co
*Archer-Daniels-Midland Co

DODECENYL SUCCINIC ANHYDRIDE

►*Allied Chem Corp, National Aniline Div
►*Humphrey-Wilkinson
►*Monsanto Chem Co

tert.-DODECYLAMINE

►*Monsanto Chem Co

DODECYLBENZENE

►Baird Chem Industries, Inc
►Baird Chem Corp
►*Continental Oil Co
►*Monsanto Chem Co
*Oronite Chem Co
Tar Residuals
►*Wyandotte Chem Corp
*Eastern States Petroleum & Chem Corp

p-DODECYL BENZYL TRIMETHYL AMMONIUM CHLORIDE

►*Sumner Chem Co Div

n-DODECYL HALIDES see **corresponding Lauryl Halide**

n-DODECYL MERCAPTAN

*Aldrich Chem Co
►*Hooker Chem Corp
►*Humphrey-Wilkinson
*Naugatuck Chem Div

tert.-DODECYL MERCAPTAN

*Phillips Petroleum Co, Special Products Div

DODECYL MERCAPTANS, MIXED see **Lauryl Mercaptan**

DODECYL PHENOL

*Antara Chems Div
*Peninsular ChemResearch

DODECYLTRICHLOROSILANE

*Dow Corning Corp

DOLOMITE (Bitter Spar, Brown Spar, Rhombic Spar)

*Smith Chem & Color Co
*Gibsonburg Lime Products Co
*Kaiser Chems Div
*Landers-Segal Color Co
*Marblehead Lime Co
*H E Millard Lime & Stone Co
*Moores Lime Co
*Ohio Lime Co
*United States Gypsum Co
*Warner Co

DOLOMOL see **Magnesium Stearate**

DRAGON'S BLOOD (Sanguis Draconis)

*Philip A Hunt Co
S B Penick & Co

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*Advance Solvents & Chem Div
►Barclay Chem Co
*Harshaw Chem Co
Kraft Chem Co
*Nuodex Products Co
*Shepherd Chem Co
Smith Chem & Color Co
►*Witco Chem Co
*Allied Finishing Specialties Co
*California Ink Co
*Chase Chem Corp
*E I du Pont de Nemours & Co, Finishes Div, Industrial
*Ferro Chem Corp
*General Metallic Oxides Co
*Fred'k A Stresen-Reuter
*Troy Chem Co
*R T Vanderbilt Co

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*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co

*American Lithographic Varnish Co
*California Ink Co
*General Metallic Oxides Co
*Fred'k H Levey Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

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*Atlas Powder Co, Chems Div
*Blockson Chem Co
*Burtonite Co
*Columbia-Southern Chem Corp
*Diamond Alkali Co
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*Hercules Powder Co
McKesson & Robbins, Inc, Chem Dept
Meer Corp
Merchants Chem Co
►M Michel & Co
►*Minerals & Chem Corp of America
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*National Lead Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Wyandotte Chem Corp

*American Lignite Products
*Archer-Daniels-Midland Co
*Baroid Div, National Lead Co
*Colgate-Palmolive Co
*Crown Zellerbach Corp
*Hagan Chem & Controls
*Marathon Corp
*National Starch & Chem Corp
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Meer Corp
*S B Penick & Co
*Dewey & Almy Chem Div

DRUGS, BOTANICAL

*Armour Labs
McKesson & Robbins, Inc, Chem Dept
Meer Corp
*S B Penick & Co
*Hathaway Allied Products
*Prentiss Drug & Chem

DRUGS, CRUDE

McKesson & Robbins, Inc, Chem Dept
*S B Penick & Co
►*Sumner Chem Co Div
*Continental Chem Co
*Hathaway Allied Products
*Prentiss Drug & Chem Co

DRY ICE see Carbon Dioxide

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*R S A Corp
*Fairmount Chem Co

DUOTAL see Guaiacol Carbonate

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►*Sinclair Petrochems, Inc
*Eastern States Petroleum & Chem Corp
*Shell Chem Corp

DUST LAYERS

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Faesy & Besthoff
*L Sonneborn Sons
►*Wyandotte Chem Corp
*Britex Corp
*Crown Zellerbach Corp
*Consolidated Water Power & Paper Co

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*American Colloid Co
►Baird Chem Industries, Inc
H J Baker & Bro
*Diamond Alkali Co
*Dow Chem Co
Faesy & Besthoff
Intra Continental Export Co
►*Minerals & Chem Corp of America
►*Rohm & Haas Co
►*Stauffer Chem Co
*Thompson-Hayward Chem Co
*American Lignite Products
*California Spray-Chem Corp
*Chemical Formulators, Inc
*E I du Pont de Nemours & Co, Grasselli Chem
*Illinois Minerals Co
*Los Angeles Chem Co
*Miller Products Co
*Tamms Industries
*United-Heckathorn
*United States Gypsum Co

DYE ASSISTANTS

►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Solvay Process Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
►*Armour Industrial Chem Co
*Ciba Co
*Concord Chem Co
*Dow Chem Co
►*Eastman Chem Products
*Finetex Inc
*Geigy Dyestuffs Div
*Heyden Newport Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
►*M Michel & Co
►*Nopco Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*Rumford Chem Works
►*Tennessee Corp
*Ultra Chem Works Div
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Arol Chem Products Co
*Belle Chem Co
*Berkshire Color & Chem Corp
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Colgate-Palmolive Co
*Continental Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Fabric Chem Co
*Francolor, Inc
*Geigy Industrial Chems Div
*Hart Products Corp
*E F Houghton & Co
*Joy Chem Co
*Marathon Corp
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Mona Industries
*Nyanza Color & Chem Co
*Poughkeepsie Dyestuff Corp
*Procter & Gamble Co
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*Scher Bros
*Scholler Bros
*Seaboard Chem
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem

DYE ASSISTANTS, SYNTHETIC FIBERS

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
►*Armour Industrial Chem Co
*Ciba Co
*Concord Chem Co
*Dow Chem Co
►*Eastman Chem Products
*Finetex Inc
*Geigy Dyestuffs Div
*Geigy Industrial Chem Div
*Heyden Newport Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Nopco Chem Co
*Rumford Chem Works
*Union Carbide Chems Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Arol Chem Products Co
*Belle Chem Co
*Berkshire Color & Chem Corp
*Bryant Chem Corp
*Colgate-Palmolive Co
*Continental Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Fabric Chem Co
*Francolor, Inc
*Hart Products Corp
*Marathon Corp
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Mona Industries
*Nyanza Color & Chem Co
*Procter & Gamble Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem

DYE INTERMEDIATES

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Chemical Affiliates
*Ciba Co
*Dow Chem Co
►*Eastman Chem Products
*Fallek Products Co
*Filo Color & Chem Corp
*Geigy Dyestuffs Div
*Heyden Newport Chem Corp
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
►*Tennessee Corp
*Joseph Turner & Co
*United Carbide Chems Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*Crescent Chem Co
*E I du Pont de Nemours & Co, Dyes Chem Div
*Francolor, Inc
*Fred'k H Levey Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Pfister Chem Works
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, ACETATE see Dyes, Disperse

DYES, ACID

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Ciba Co
Fallek Products Co
Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Arnold, Hoffman & Co
*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fairmount Chem Co
*Francolor, Inc
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, AZOIC

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Chemical Affiliates
*Ciba Co
Fallek Products Co
Filo Color & Chem Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
H P Rossiger & Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*Crescent Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Otto B May
*Nyanza Color & Chem Co
*Pfister Chem Works
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, BASIC

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Ciba Co
*Filo Color & Chem Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
H P Rossiger & Co

(Continued)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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DYES, BASIC (continued)

*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*Otto B May
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Sandoz, Inc

DYES, CERTIFIED see Colors, Certified

DYES, CHROME see Dyes, Mordant

DYES, COTTON see Dyes: Azoic, Direct, Sulfur and Vat

DYES, DIRECT

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Ciba Co
Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
H P Rossiger & Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*Crescent Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, DISPERSE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
►*Eastman Chem Products
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Petroleum Chems Div
*Francolor, Inc
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*W Va Pulp & Paper Co, Polychems Div

DYES, FELT see Dyes, Acid

DYES, FLUORESCENT

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Carlisle Chem Works
*Ciba Co
Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Patent Chem

*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fiber Chem Corp
*Francolor, Inc
*Geigy Industrial Chem
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Sandoz, Inc

DYES, FUR

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ethyl Corp
Filo Color & Chem Corp
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Mallinckrodt Chem Works

*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Nyanza Color & Chem Co
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, GASOLINE & OIL see Dyes, Petroleum

DYES, LACQUER & VARNISH

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
*Ciba Co
Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Patent Chem

*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*Maas & Waldstein Co
*Nyanza Color & Chem Co
*Peerless Color Co
*R & A Leather Finish Co
*Sandoz, Inc

DYES, LEATHER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
Filo Color & Chem Corp
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Arnold, Hoffman & Co
*Atlantic Chem Corp
*B B Chem Co
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fiebing Chem Co
*Francolor, Inc
*Hadley Bros-Uhl Co
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*R & A Leather Finish Co
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, METALLIZED see Dyes, Acid

DYES, MIXED FIBERS

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Otto B May
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, MORDANT

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
Fallek Products Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
H P Rossiger & Co

*Atlantic Chem Corp
*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Otto B May
*Nyanza Color & Chem Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*Verona-Pharma Chem Corp

DYES, NAPHTHOL AS TYPES see Dyes, Azoic

DYES, NATURAL

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►*Koppers Co, Chems & Dyestuffs Div

*Belle Chem Co
*Dye Specialties
*Francolor, Inc
*Otto B May
*New York Color & Chem Co

DYES, NYLON see Dyes, Synthetic Fibers

DYES, OIL-SOLUBLE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Ciba Co
*Ethyl Corp
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Patent Chem
Thompson-Hayward Chem Co

*Atlantic Chem Corp
*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

DYES, PAPER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Godfrey L Cabot
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
Intex Chem Corp
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*Crescent Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc

DYES, PETROLEUM

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Ethyl Corp
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Patent Chem
H P Rossiger & Co

*Atlantic Chem Corp
*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Petroleum Chems Div
*Francolor, Inc
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc

DYES, PLASTIC

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Godfrey L Cabot
*Ciba Co
*Fallek Products Co
*Geigy Dyestuffs Div
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Patent Chem

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*Otto B May
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc

DYES, RAYON see Dyes: Azoic, Direct, Sulfur and Vat

DYES, RESIN

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Atlantic Chem Corp
*Belle Chem Co
*Devcon Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Chemical Development Corp
*Francolor, Inc
*Nyanza Color & Chem Co
*Peerless Color Co

DYES, RUBBER see Pigments, Rubber

DYES, SILK

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*Otto B May
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc
*Verona-Pharma Chem

DYES, SPECK

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
Hilton-Davis Chem Co Div

*Atlantic Chem Corp
*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*New York Color & Chem
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc

DYES, SPIRIT-SOLUBLE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*New York Color & Chem Co
*Nyanza Color & Chem Co
*Sandoz, Inc
*Wilson Organic Chems

DYES, STRAW

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Geigy Dyestuffs Div
*General Dyestuff Co
*Maher Color & Chem Co

*Atlantic Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Dye Specialties
*Francolor, Inc
*Nyanza Color & Chem Co
*Sandoz, Inc

DYES, SULFUR

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Ciba Co
Fallek Products Co
*Geigy Dyestuffs Div
*General Dyestuff Co

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DYES, SULFUR (continued)

*Atlantic Chem Corp
*Belle Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Goodyear Tire & Rubber Co. Chem Div
*Sandoz, Inc
*Southern Dyestuff Corp

DYES, SYNTHETIC FIBERS

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
►*Eastman Chem Products
*Geigy Dyestuffs Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Matheson Coleman & Bell

*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Otto B May
*Nyanza Color & Chem Co
*Peerless Color Co
*Poughkeepsie Dyestuff Corp
*Sandoz, Inc

DYES, VAT

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Dow Chem Co
*Fallek Products Co
*Geigy Dyestuffs Div
*General Dyestuff Co
►*Koppers Co, Chems & Dyestuffs Div
H P Rossiger & Co

*Arnold, Hoffman & Co
*Atlantic Chem Corp
*Belle Chem Co
*Berkshire Color & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc
*Otto B May
*Nyanza Color & Chem Co
*Peerless Color Co
*Sandoz, Inc
*Southern Dyestuff Corp
*Verona-Pharma Chem Corp

DYES, WOOL see Dyes, Acid and Mordant

DYSPROSIUM, METAL

►*American Potash & Chem Corp
City Chem Corp
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Fairmount Chem Co
*Research Chem

DYSPROSIUM OXIDE

►*American Potash & Chem Corp
►Berkshire Chems, Inc
City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

DYSPROSIUM SALTS

►*American Potash & Chem Corp
►Berkshire Chems Inc
City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

E

EARTH FLAX see Asbestos

EAU DE JAVELLE see Sodium Hypochlorite

EAU DE LABARRAQUE see Sodium Hypochlorite

EGG YOLK

*United Chem & Organic Products
*Seabord Chem

n-EICOSANE

►*Humphrey-Wilkinson

*Archer-Daniels-Midland Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

1-EICOSENE
*Archer-Daniels-Midland Co

ELASTOMERS — see also Rubber
►*Borden Chem Co
►Enjay Co

*Adhesive Products Corp
*Clarkson Labs
*Dewey & Almy Chem Co
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Firestone Plastics Co
*B F Goodrich Chem Co
*Naugatuck Chem Div
*Process Chem Co
*Rubba, Inc
*Wica Chem

ELASTOMERS, SILICONE
*Dow Corning Corp
*General Elec Co, Silicone Products
*Union Carbide Corp, Silicones Div

ELECTRONIC CHEMICALS
►*Allied Chem Corp, General Chem Div
*Antara Chem Div
►Berkshire Chems Inc
*Chemical Commerce
*Dow Chem Co
Intra Continental Export Co
*Mallinckrodt Chem Works
►*Philadelphia Quartz Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Var-Lac-Oid Chem Co

*Barium & Chems
*Biwax Corp
*Clarkson Labs
*B R Elk & Co
*Furane Plastics
*Heavy Minerals Co
*Isomet Corp
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*Dow Chem Co
*Globe Chem Co
*Harshaw Chem Co
Inland Chem Corp
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Metal & Thermit Corp
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McKesson & Robbins, Inc, Chem Dept

*Britex Corp
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EMERALD GREEN see Copper Acetoarsenite

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►*Allied Chem Corp, Solvay Process Div
*American Oil & Supply Co
*Antara Chem Div
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
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*Carlisle Chem Works
*Ciba Co
►*Colton Chem Co
►*Commercial Solvents Corp
*Concord Chem Co
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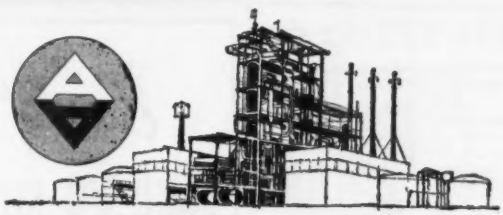
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*Victor Chem Works
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►*Witco Chem Co
*Jacques Wolf & Co
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*Clarkson Labs
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*Continental Chem Co
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*Essential Chem Co
*Fiebing Chem Co
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*B F Goodrich Chem Co
*C P Hall Co
*E F Houghton & Co
*L Carlton Mertz Co
*Metro-Atlantic, Inc
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*Pennsylvania Refining
*Pilot California Co
*Precess Chem Co
*Procter & Gamble Co
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►*Armour Industrial Chem Co
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*Eastern Color & Chem Co
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*Monroe Sander Corp
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*United Wallpaper, Inc

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*Bram Metal-Chem Co *Research Chem

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ESSENCE OF NIOBE see Methyl Benzoate

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►*Eastman Chem Products
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*Heyden Newport Chem Corp
►*Kay-Fries Chems
*Kessler Chem Co
*Kolker Chem Corp
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*Organics, Inc
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*Biorganic Labs
*Organics, Inc
*Roselle Labs

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*Pennotex Oil Corp
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*Bernard Chem Products
*E I du Pont de Nemours & Co, Grasselli Chem
*McKay Chem Co
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ETHAL see Alcohol, Cetyl

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*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp
*Union Carbide Olefins Co

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*K & K Labs
*R S A Corp
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ETHANOL see Alcohol, Ethyl

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ETHYLENE GLYCOL DIBENZENESULFONATE
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ETHYLENE GLYCOL DIBUTYL ETHER ADIPATE
*Kessler Chem Co

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*Hodag Chem Corp

ETHYLENE GLYCOL MONOMETHYL ETHER OLEATE
*Kessler Chem Co
Stoney-Mueller, Inc
►*Wilson-Martin (Div Wilson & Co)
*Hodag Chem Corp

ETHYLENE GLYCOL MONOMETHYL ETHER RICINOLEATE
►*Wilson-Martin (Div Wilson & Co)
*Hodag Chem Corp

ETHYLENE GLYCOL MONOMETHYL ETHER STEARATE
*Kessler Chem Co
*Mathe Chem Co
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*Hodag Chem Corp

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►*Monsanto Chem Co
*NYQ Chem Div, S B Penick & Co

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►*Borden Chem Co
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ETHYLENE IMINE DERIVATIVES
*Chemirad Corp
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ETHYLENE IODIDE
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ETHYLENE OXIDE
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*Dow Chem Co
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ETHYL ETHYL MALONATE see Ethyl Malonic Ester

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*Roberts Chems, Inc

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S B Penick & Co
►*Trubek Labs
*Union Carbide Chems Co
*Dodge & Olcott *Fritzsche Bros
*Felton Chem Co

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*Phillips Petroleum Co, Special Products Div
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*Metalsalts Corp
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*Eli Lilly & Co
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N-ETHYL MORPHOLINE
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*Union Carbide Chems Co

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*Aldrich Chem Co
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*Givaudan
*Process Chem Co

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*Nepera Chem Co
*Biorganic Labs
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ETHYL NITRITE (Nitrous Ether)
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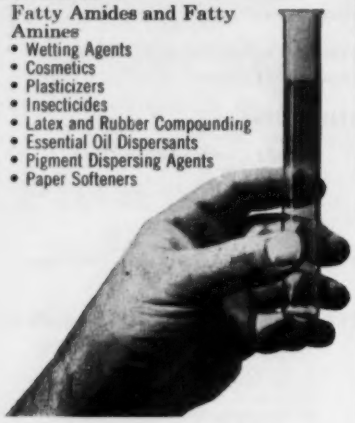
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*Ardmore Chem Co
*Arol Chem Products Co
*Atlas Refinery Inc
*Burkart-Schier Chem Co
*Continental Chem Co
*Eastern Color & Chem Co
*Emkay Chem Co
*Essential Chem Co
*Geigy Industrial Chem Div
*Hart Products Corp
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*Glyco Chems
*Kessler Chem Co
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Kraft Chem Co
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McKesson & Robbins, Inc, Chem Dept
Charles A Wagner Co
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FERBAM (Ferric Dimethyldithiocarbamate)

►Baird Chem Industries, Inc

*Barlow Chem Corp
*F W Berk & Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Niagara Chem Div
*Roberts Chems, Inc

FERRIC CHEMICALS see corresponding Iron chemical

FERROBORON

►Baird Chem Industries, Inc
►*Foote Mineral Co
Intra Continental Export Co
►*Metal & Thermit Corp

*Union Carbide Metals Co
*Vanadium Corp of America

FERROCENE see Dicyclopentadienyl Iron

FERROCHROMITE see Chromite

FERROCHROMIUM (Ferrochrome)

*Belmont Smelting & Refining Works
►*Foote Mineral Co
International Selling Corp

*Crucible Steel Co
*Tennessee Products & Chem Corp
*Union Carbide Metals Co
*Vanadium Corp of America

FERROMANGANESE

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*Belmont Smelting & Refining Works
►*Foote Mineral Co
International Selling Corp
*Pittsburgh Coke & Chem Co

*Crucible Steel Co
*Tennessee Products & Chem Corp
Union Carbide Metals Co
*Vanadium Corp of America

FERROMOLYBDENUM

*Belmont Smelting & Refining Works

*Bram Metal-Chem Co
*Crucible Steel Co

FERROPHOSPHORUS

*Belmont Smelting & Refining Works
►*Hooker Chem Corp, Phosphorus Div
►*Monsanto Chem Co
*Victor Chem Works
►*Westvaco Mineral Products Div

*Crucible Steel Co

FERROSELENIUM

*Belmont Smelting & Refining Works
*Kawecki Chem Co
*Var-Lac-Old Chem Co

*Crucible Steel Co

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►*Titanium Alloy Mfg Div
*Crucible Steel Co
*Vanadium Corp of America
*Union Carbide Metals Co

FERROTUNGSTEN

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*Belmont Smelting & Refining Works
International Selling Corp
*Union Carbide Metals Co

FERROUS CHEMICALS see corresponding Iron chemical

FERROVANADIUM

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*Belmont Smelting & Refining Works
►*Foote Mineral Co
*Bram Metal-Chem Co
*Vanadium Corp of America
*Crucible Steel Co
*Union Carbide Metals Co

FERTILIZER CONDITIONERS & FILLERS

►*Allied Chem Corp, National Aniline Div
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*Baroid Chems
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*Johns-Manville
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►M Michel & Co
►*Minerals & Chem Corp of America
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L A Salomon & Bro
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►*Wyandotte Chem Corp
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*Baroid Div, National Lead Co
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*Floridin Co
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*R T Vanderbilt Co
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*Zonolite Co

FERTILIZERS, CHEMICAL CONCENTRATED

►*Allied Chem Corp, Nitrogen Div
►*American Agricultural Chem Co
H J Baker & Bro
*Chemical & Pigment Co
►*Commercial Solvents Corp
*Darling & Co
*Davies Nitrate Co
►*Davison Chem Co Div
*Dixon Chem Industries
*E I du Pont de Nemours & Co, Polychem Dept
International Commodities Corp
►*Monsanto Chem Co
Nitrogen Products, Inc
►*Sinclair Petrochems, Inc
*Smith-Douglass Co
►*Westvaco Mineral Products Div
*Chemical Formulators Inc
*Miller Products Co
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*Olin Mathieson Chem Corp, Plant Food
*Colorado Fuel & Iron Corp
*Ozark-Mahoning Co
*Southwestern Agrochem Corp
*Dayton Fertilizer Corp
*Escambia Chem Corp
*Summers Fertilizer Co
*Madison Glue Co

FERTILIZERS, LIQUID

►*Allied Chem Corp, Nitrogen Div
►*American Agricultural Chem Co
*Chemical & Pigment Co
►*Commercial Solvents Corp
*Davies Nitrate Co
*Dow Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
Faesy & Besthoff
*International Minerals & Chem Corp, Plant Food Div
►*Monsanto Chem Co
Nitrogen Products, Inc
►*Sinclair Petrochems, Inc
*Smith-Douglass Co
►Westvaco Mineral Products Div
*Chemical Formulators Inc
*Escambia Chem Corp
*Miller Chem & Fertilizer Corp
*Clover Chem Co
*Collier Carbon & Chem Corp
*Olin Mathieson Chem Corp, Plant Food
*Dayton Fertilizer Corp

FERTILIZERS, MIXED

►*Allied Chem Corp, Nitrogen Div
►*American Agricultural Chem Co
H J Baker & Bro
*Darling & Co
►*Davison Chem Co Div
*Dixon Chem Industries
Faesy & Besthoff
International Commodities Corp
*International Minerals & Chem Corp, Plant Food Div
Nitrogen Products, Inc
*Smith-Douglass Co
►*Virginia-Carolina Chem Corp
*Chemical Formulators Inc
*Miller Products Co
*Collier Carbon & Chem Corp
*Olin Mathieson Chem Corp, Plant Food
*Dayton Fertilizer Corp
*Ozark-Mahoning Co
*Miller Chem & Fertilizer Corp
*Southwestern Agrochem
*Summers Fertilizer Co

FERTILIZERS, NITROGEN

►*Allied Chem Corp, Nitrogen Div
H J Baker & Bro
►*Borden Chem Co
►*Commercial Solvents Corp
*Dow Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
*Grace Chem Co Div
International Commodities Corp
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
Nitrogen Products, Inc
►*Rohm & Haas Co
►*Sinclair Petro-Chems, Inc
*Apache Powder Co
*Sohio Chem Co
*Collier Carbon & Chem Corp
*Southwestern Agrochem Corp
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*Spencer Chem Co
*Escambia Chem Corp
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FESTOFORM see **Formaldehyde**

FICIN

►*Merck Chem Div
*Biorganic Labs
*Paul-Lewis Labs

FILINGS, IRON & STEEL

*National-US Radiator Corp

FILLERS, PAINT

S L Abbot Co
►Berkshire Chems Inc
*Godfrey L Cabot
*Diamond Alkali Co
*English Mica Co
*Hilton-Davis Chem Co Div
*J M Huber Corp
Merchants Chem Co
*Michigan Chem Corp
►*Minerals & Chem Corp of America
*National Lead Co
Smith Chem & Color Co
L A Salomon & Bro
*Sherwin-Williams Co
Thompson-Hayward Chem Co
Charles A Wagner Co
►*Westvaco Mineral Products Div
*C K Williams & Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*Allied Finishing Specialties Co
*American Lignite Products
*Calcium Carbonate Co
*Commercial Minerals Co
*Eagle-Picher Co
*Georgia Marble Co
*Glidden Co
*Great Lakes Carbon Corp, Mining and Mineral Products Div
*Hayden Mica Co
*Illinois Minerals Co
*Industrial Minerals & Chem Co
*Mineralite Sales Corp
*Monroe Sander Corp
*Ohio Lime Co
*Summit Mining Corp
*Tamms Industries
*Tennessee Products & Chem Corp
*Thomas Alabama Kaolin Co
*United States Gypsum Co
*United States Mica Co

FILLERS, PAPER

*American Colloid Co
►Berkshire Chems Inc
*Godfrey L Cabot
*Diamond Alkali Co
*J M Huber Corp
►*Minerals & Chem Corp of America
►*Philadelphia Quartz Co
L A Salomon & Bro
►*Westvaco Mineral Products Div
*C K Williams & Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*E I du Pont de Nemours & Co, Pigments Dept
*Eagle-Picher Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Hayden Mica Co
*Industrial Minerals & Chem Co
*Ohio Lime Co
*Tamms Industries
*Tennessee Products & Chem Corp
*Thomas Alabama Kaolin Co
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*R T Vanderbilt Co

FILLERS, PLASTIC

►Berkshire Chems Inc
*Godfrey L Cabot
*Chemical Affiliates
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*English Mica Co
►*Foote Mineral Co
Harwick Standard Chem Co
*J M Huber Corp
*Hummel Chem Co
*Johns-Manville
*Michigan Chem Corp
►*Minerals & Chem Corp of America
*National Lead Co
►*Quaker Oats Co
*Sherwin-Williams Co
Smith Chem & Color Co
►*Titanium Alloy Mfg Div
*C K Williams & Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*American Lignite Products
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*Columbia Quarry Co
*Composition Materials Co
*Eagle-Picher Co
*Georgia Marble Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Hayden Mica Co
*Industrial Minerals & Chem Co
*Ohio Lime Co
*Puget Sound Pulp & Timber Co
*Shamokin Filler Co
*Summit Mining Corp
*Synthetic Mica Co
*Tamms Industries
*Tennessee Products & Chem Corp
*Thomas Alabama Kaolin Co
*United States Gypsum Co
*United States Mica Co
*Weyerhaeuser Timber Co, Silvatek Products Div
*Wilner Wood Refinery
*Wood Flour, Inc
*Zonolite Co

FILLERS, PRINTING INK

*American Colloid Co
►Berkshire Chems Inc
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*Columbia-Southern Chem Corp
*Diamond Alkali Co
*Hilton-Davis Chem Co Div
*J M Huber Corp
*Johns-Manville
*Merchants Chem Co
*Michigan Chem Corp
►*Minerals & Chem Corp of America
►Peerless Oil & Chem Corp
Smith Chem & Color Co
►*Westvaco Mineral Products Div
*C K Williams & Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*Eagle-Picher Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Hayden Mica Co
*Illinois Minerals Co
*Industrial Minerals & Chem Co
*Thomas Alabama Kaolin Co

FILLERS, RUBBER

►Berkshire Chems Inc
*Godfrey L Cabot
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*English Mica Co
Harwick Standard Chem Co
*J M Huber Corp
*Hummel Chem Co
*Johns-Manville
*Michigan Chem Corp
►*Minerals & Chem Corp of America
L A Salomon & Bro
*Sherwin-Williams Co
Smith Chem & Color Co
*Titanium Alloy Mfg Div
*C K Williams & Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*Adhesive Products Corp
*American Lignite Products
*Calcium Carbonate Co
*Commercial Minerals Co
*Eagle-Picher Co
*Georgia Marble Co
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Hayden Mica Co
*Illinois Minerals Co
*Industrial Minerals & Chem Co
*Mineralite Sales Corp
*Ohio Lime Co
*Rubba, Inc
*Shamokin Filler Co
*Summit Mining Corp
*Tamms Industries
*Thomas Alabama Kaolin Co
*United States Gypsum Co
*United States Mica Co
*R T Vanderbilt Co
*Velsicol Chem Corp
*Wilner Wood Refinery

FILLERS, TEXTILE

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*J M Huber Corp
*Johns-Manville
*Maher Color & Chem Co
L A Salomon & Bro
*Sherwin-Williams Co
*C K Williams & Co
*Jacques Wolf & Co

*American Felt Co
*Bryant Chem Corp
*Calcium Carbonate Co
*E I du Pont de Nemours & Co, Finishes Div, Automotive
*Eagle-Picher Co
*Emkay Chem Co
*Hayden Mica Co
*Illinois Minerals Co
*Mineralite Sales Corp
*National Starch & Chem Corp
*Nyanza Color & Chem Co
*Scholler Bros
*Thomas Alabama Kaolin Co
*Titan Chem Products
*United States Gypsum Co

FILLERS, WOOD

*Johns-Manville
*Trio Chem Works
*C K Williams & Co

*Allied Finishing Specialties Co
*Composition Materials
*E I du Pont de Nemours & Co, Finishes Div, Fabrics & Finishes Dept
*Gill Chem Products
*Illinois Minerals Co
*Monroe Sander Corp
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►*Nopco Chem Co
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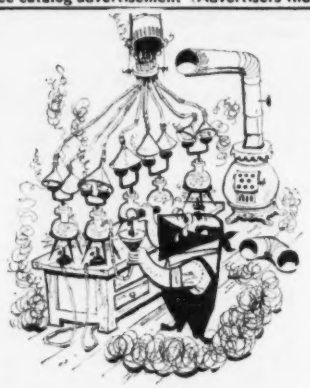
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►*Allied Chem Corp, Solvay Process Div
*Arapahoe Chem
*Armour Pharmaceutical Co
►*Benzol Products Co
►*Borden Chem Co
*Columbia-Southern Chem Corp
*Dow Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*Farchan Research Labs
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Fisher Chem Co
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R W Greeff & Co
Harshaw Chem Co
*Heyden Newport Chem Corp
Chas L Huisking & Co
*Hummel Chem Co
►*Kay-Fries Chems
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*Chas Pfizer & Co
*R S A Corp
►*Sumner Chem Co Div
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*Union Carbide Chems Co
►*Wyandotte Chem Corp

*American Phosphors Corp
*Andor Labs
*Barium & Chems
*Bram Metal-Chem Co
*Brothers Chem Co
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*Fritzsche Bros
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*Trio Chem Works

*Bell-Ray Chem Corp
*E I du Pont de Nemours & Co, Finishes Div, Automotive
*Merix Chem Co
*Nyanza Color & Chem Co
*Wye Industries

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*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
►*Borden Chem Co
*Catalin Corp of America
►*Colton Chem Co
*Dow Corning Corp
*Maher Color & Chem Co
►*M Michel & Co
►*Nopco Chem Co
►Onyx Oil & Chem Co
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co
►*Sun Oil Co
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*Jaeques Wolf & Co

*Adhesive Products Corp
*American Finish & Chem Co
*American Ligalta Products
*Atlas Refinery Inc
*B B Chem Co
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*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem
*Emkay Chem Co
*Fiber Chem Corp
*Finetex, Inc
*Francolor, Inc
*Hadley Bros-Uhl Co
*Illinois Minerals Co
*Harry Miller Corp
*Minnesota Mining & Mfg Co, Chem Products Group
*Norton Chem Works
*Nyanza Color & Chem Co
*Polyvinyl Chems
*Rubba, Inc
*Sandoz, Inc
*Titan Chem Products
*Wye Industries

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*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Atlas Powder Co, Chems Div
►*Borden Chem Co
*Burtonite Co
*Catalin Corp of America
*Ciba Co
►*Colton Chem Co
*Concord Chem Co
*Dow Chem Co
*Dow Corning Corp
*Finetex Inc
*Geigy Dyestuffs Div
*General Elec Co, Silicone Products
*Glyco Chems
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
►*M Michel & Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►*Onyx Oil & Chem Co
*Pennsylvania Industrial Chem Corp
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►Peerless Oil & Chem Corp
►*Stauffer Chem Co
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*Chemical Compounding
*B R Elk & Co

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*Johns-Manville
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*Victor Chem Works

*Arol Chem Products
*Bryant Chem Corp
*Carlstadt Chem Co
*Chemical Coatings & Engrg Co
*Clarkson Labs
*Eastern Color & Chem Co
*B R Elk & Co
*Emkay Chem Co
*Flamort Chem Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*National Starch & Chem Corp
*Nyanza Color & Chem Co
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*Scher Bros
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*Scientific Oil Compounding Co
*Textile Proofers
*Titan Chem Products
*Warwick Chem Co Div
*Wye Industries

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*Victor Chem Works

*Chemical Coatings & Engrg Co
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*Flamort Chem Co

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*Polak's Frutal Works
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*Chemical Coating & Engrg Co
*Clarkson Labs
*Continental Chem Co
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►*Monsanto Chem Co
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*Shepherd Chem Co
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*Fritzsche Bros
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*H Kohnstamm & Co
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*S B Penick & Co
*Polak & Schwarz Div
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*Fries & Fries
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*Florasynth Labs
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*Polak's Frutal Works
*Polarome Mfg Co
*Rhodia, Inc
*Schimmel & Co
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*Givaudan
*H Kohnstamm & Co
*S B Penick & Co
*Polak & Schwarz Div

*Dodge & Olcott
*Felton Chem Co
*Alex Fries & Bro
*Fries & Fries
*Fritzsche Bros
*Polarome Mf Co
*Schimmel & Co
*Tennessee Products & Chem Corp
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FLAVORS, PHARMACEUTICAL

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*Florasynth Labs
*Givaudan
*Heyden Newport Chem Corp
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*S B Penick & Co
*Polak & Schwarz Div
*Van Ameringen-Haebler Div

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*Alex Fries & Bro
*Fries & Fries
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*George Lueders & Co
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*Polak & Schwarz Div
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*Felton Chem Co
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FLEASEED see Psyllium Seed

FLEAWORT see Psyllium Seed

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*American Colloid Co
*Burtonite Co
*Dow Chem Co
►*General Mills, Chem Div
*Inerto Co
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►*Monsanto Chem Co
*Pennsalt Chems Corp
►*Philadelphia Quartz Co
►*Tennessee Corp

*DuBois Co
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*Hodag Chem Co
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*Basic Plastic Materials
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*American Cyanamid Co, Organic Chem Div
►*Armour Industrial Chem Co
*Burtonite Co
*Dow Chem Co
►*General Mills, Chem Div
*Heyden Newport Chem Corp
►M Michel & Co
*Pennotex Oil Corp
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►*Witco Chem Co

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*E I du Pont de Nemours & Co, Dyes & Chem Div
*Hodag Chem Corp
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FLOWERS OF ZINC see Zinc Oxide

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*Hilton-Davis Chem Co Div
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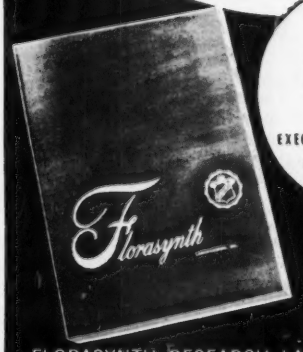
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FOOL'S GOLD see Pyrites

FORMAL see Methylal

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FORMIN see Hexamethylenetetramine

FORMITROL see Formaldehyde

FORMOL see Formaldehyde

FORMONITRILE see Acid, Hydrocyanic

FORMYL TRICHLORIDE see Chloroform

FORMYL TRIIODIDE see Iodoform

FOSSIL FLOUR see Diatomite

FOSSOLIN see Petrolatum

FRANKFORT BLACK see Drop Black

FRANKINCENSE see Olibanum

FRAUDE'S REAGENT see Acid, Perchloric

FRENCH SAFFRON see Saffron, Spanish

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*Sandoz Pharmaceutical Div
*Tracerlab Inc

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*New York Color & Chem Co

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*Shell Chem Corp

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*Fine Organics
*Gane's Chem Works
*Pennsalt Chems Corp
*Refined Products Corp
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*Roussel Corp
►*Stauffer Chem Co
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*Thompson-Hayward Chem Co
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*Chemical Formulators
*Chemical Insecticide
*E I du Pont de Nemours & Co, Grasselli Chem
*Gallowhur Chem Corp
*Los Angeles Chem Co
*Naugatuck Chem Div
*Norton Chem Works
*Olin Mathieson Chem Corp, Plant Food
*Puget Sound Pulp & Timber Co
*Roberts Chems, Inc
*Velsicol Chem Corp

FUNGICIDES, LEATHER

*Antara Chem Div
*Ciba Co
*W A Cleary Corp
*Dow Chem Co
*Fine Organics
*Heyden Newport Chem Corp
*Maher Color & Chem Co
*Metalsalts Corp
►*Monsanto Chem Co
*Nuodex Products Co
►*Onyx Oil & Chem Co
*Refined Products Corp
►*Rohm & Haas Co
*Trio Chem Works
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Chemo Puro Mfg Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eureka Chem Co
*Ferro Chem Corp
*Fiber Chem Corp
*Fiebing Chem Co
*Frontier Chem Co
*Gallowhur Chem Corp
*Norton Chem Works
*Onyx Oil & Chem Co
*Royce Chem Co
*Scientific Oil Compounding Co
*Troy Chem Co
*R T Vanderbilt Co
*Wallerstein Co
*Warwick Chem Co Div

FUNGICIDES, LUMBER

►*Allied Chem Corp, Barrett Div
*Chapman Chem Co
*Dow Chem Co
*Fine Organics
*Harshaw Chem Co
Merchants Chem Co
*Metalsalts Corp
►*Monsanto Chem Co
*Nuodex Products Co
►*Onyx Oil & Chem Co
*Oronite Chem Co
*Republic Chem Corp
►*Tennessee Corp
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Chase Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Eureka Chem Co
*Ferro Chem Corp
*Gallowhur Chem Corp
*Norton Chem Works
*Roberts Chems, Inc
*Scientific Oil Compounding Co
*Troy Chem Co
*R T Vanderbilt Co

FUNGICIDES, PAINT

*Advance Solvents & Chem Div
*Ciba Co
*W A Cleary Corp
*Dow Chem Co
Faesy & Besthoff
*Fine Organics
*Givaudan
*Heyden Newport Chem Corp
Intra Continental Export Co
Kraft Chem Co
Merchants Chem Co
*Metalsalts Corp

(Continued)

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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Sindar Corp
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*F W Berk & Co
*Chemo Puro Mfg Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Grasselli Chem
*Ferro Chem Corp
*Gallowhur Chem Corp
*Norton Chem Works
*Scientific Oil Compounding Co
*Troy Chem Co
*R T Vanderbilt Co

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*W A Cleary Corp
*Diamond Alkali Co
*Dow Chem Co
*Fine Organics
*Heyden Newport Chem Corp
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*Olin Mathieson Chem Corp, Industrial Chems
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►*Rohm & Haas Co
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*Olin Mathieson Chem Corp, Plant Food
*Roberts Chems, Inc
*R T Vanderbilt Co
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*Antara Chem Div
*Ciba Co
*W A Cleary Corp
*Dow Chem Co
*Fine Organics
*Givaudan
*Heyden Newport Chem Corp
Intex Chem Corp
*Maher Color & Chem Co
Merchants Chem Co
*Metalsalts Corp
*Nuodex Products Co
►*Onyx Oil & Chem Co
*Pittsburgh Coke & Chem Co
*Refined Products Corp
*Republic Chem Corp
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Sindar Corp
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*Pennsalt Chems Corp
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*California Spray-Chem Corp
*Chemical Formulators Inc
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►Peerless Oil & Chem Corp
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FURFURALDEHYDE see Furfural

FURFUROL see Furfural

FURFURYL ALDEHYDE see Furfural

FURYL CARBINOL see Alcohol, Furfuryl

G

GADOLINIUM, METAL

►*American Potash & Chem Corp
City Chem Corp
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►*Lindsay Chem Div
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*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
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*Research Chem

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►Berkshire Chems Inc
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*Research Chem

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►Berkshire Chems Inc
City Chem Corp
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►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

GADOLINIUM-SAMARIUM SALTS see Samarium-Gadolinium Salts

GALL EXTRACT see Nutgall Extract

GALLIUM, METAL

►*Aceto Chem Co
*Aluminum Co of America
Chemical Commerce
City Chem Corp
Fisher Scientific Co
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*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Eagle-Picher Co
*Fairmount Chem Co
*Indium Corp of America
*Metals & Controls Corp

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*Aluminum Co of America
Chemical Commerce
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Eagle-Picher Co
*Fairmount Chem Co

GALLS see Nutgalls

GAMBIR

S B Penick & Co

GARNET LAC see Shellac

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QO LEVULINIC ACID	
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QO FUROIC ACID	
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QO METHYLFURAN	
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The Quaker Oats Company CHEMICALS DIVISION QO CHEMICALS

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*Delhi-Taylor Oil Corp, Chem Div
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GAS, OLEFIANT see Ethylene

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Matheson Co
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*Bram Metal-Chem Co
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*J O Whitten Co Inc

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►*Allied Chem Corp, National Aniline Div
Meer Corp
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GENTIAN VIOLET see Methyl Violet

GERANIOL

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Florasynth Labs
*Givaudan
*George Lueders & Co
*Van Ameringen-Haebler Div

*Dodge & Olcott
*Felton Chem Co
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*Van Ameringen-Haebler Div

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*Noville Essential Oil Co
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*Schimmel & Co

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*Sylvania Electric Products

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*Var-Lac-Oid Chem Co

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GERMANTOWN BLACK see Lampblack

GERMICIDES

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*Oakite Products
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GIBBSITE see Bauxite

GILDER'S WHITING see Whiting

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*Biorganic Labs
*Roselle Labs

GLASS, POWDERED see Ground Glass

GLASSMAKERS' SOAP see Manganese Dioxide

GLAUBER'S SALT see Sodium Sulfate, Hydrated

GLOBALINE see Tetraglycine Hydroperiodide

GLUCINUM COMPOUNDS see Beryllium compounds

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*Winthrop Labs

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d-GLUCONOLACTONE

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d-GLUCOSE see Dextrose

GLUCOSE SYRUP see Corn Syrup

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GLUTATHIONE
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*Dow Chem Co
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*Filo Color & Chem Corp
*Fisher Scientific Co
*A Gross & Co
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Merchants Chem Co
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GLYCEROL see Glycerine

GLYCEROL DICHLOROHYDRIN
*NYQ Chem Div, S B Penick & Co

GLYCEROL ESTERS, ACETYLATED
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*Millmaster Chem Corp

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*Atlas Powder Co, Chems Div
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*C P Hall Co
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*Process Chem Co
*Arthur C Trask Co

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*Fanning Chem Corp
*Glyco Chems
*Kessler Chem Co
*Mathe Chem Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Atlas Powder Co, Chems Div
*Atlas Refinery Inc
*Beacon Chem Industries
*Eastern Color & Chem Co
*C P Hall Co
*Hodag Chem Corp
*Neatsfoot Oil Refineries
*Process Chem Co
*Arthur C Trask Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

GLYCEROL MONOOLEATE

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*Carlisle Chem Works
*Eastman Organic Chems
*Emery Industries
*Fanning Chem Corp
*Glyco Chems
*Kessler Chem Co
*Mathe Chem Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Atlas Powder Co, Chems Div
*Atlas Refinery Inc
*Eastern Color & Chem Co
*C P Hall Co
*Hodag Chem Corp
*Pennsylvania Refining Co
*Process Chem Co
*Specialty Resins Co
*Swift & Co
*Arthur C Trask Co

GLYCEROL MONORICINOLEATE

*Baker Castor Oil Co
*Carlisle Chem Works
*Glyco Chems
*Kessler Chem Co
*Mathe Chem Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)

*Atlas Refinery Inc
*C P Hall Co
*Hodag Chem Corp
*Neatsfoot Oil Refineries
*Pacific Vegetable Oil Corp
*Process Chem Co
*Arthur C Trask Co

GLYCEROL MONOSTEARATE

►Aceto Chem Co
*Atlas Powder Co, Chems Div
*Carlisle Chem Works
*Eastman Organic Chems
*Fanning Chem Corp
*Glyco Chems
*Goldschmidt Chem Corp
R W Greeff & Co
*Kessler Chem Co
*Mathe Chem Co
*Millmaster Chem Corp
►Nopco Chem Co
Sole Chem Corp
J U Starkweather Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Atlas Powder Co, Chems Div
*Atlas Refinery Inc
*Colgate-Palmolive Co
*Eastern Color & Chem Co
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*Neatsfoot Oil Refineries
*Northwestern Chem Co
*Pennsylvania Refining Co
*Process Chem Co
*Swift & Co

GLYCEROL SORBITAN LAURATE

*Atlas Powder Co, Chems Div
*Swift & Co

GLYCEROL TRIOLEATE

*Carlisle Chem Works
*Degan Oil & Chem Co
*Emery Industries
*Fanning Chem Corp
*Kessler Chem Co
*Mathe Chem Co
►*Wilson-Martin (Div Wilson & Co)

*C P Hall Co
*Hodag Chem Corp
*Neatsfoot Oil Refineries
*Swift & Co

GLYCEROL TRIRICINOLEATE

*Baker Castor Oil Co

*Atlas Refinery Inc
*Hodag Chem Corp
*Neatsfoot Oil Refineries

GLYCEROL TRISTEARATE see Stearin

GLYCERYL TRIACETATE see Triacetin

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*Mallinckrodt Chem Works
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GLYCOCOLL see Glycine

GLYCOL see Ethylene Glycol

GLYCOL DIACETATE see Ethylene Glycol Diacetate

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GLYCOL PHTHALATE see Diethylene Glycol Phthalate

GLYCOL RICINOLEATE see Diethylene Glycol Monoricinoleate

GLYCOL SALICYLATE see Ethylene Glycol Monosalicylate

GLYCOLS, ETHYLENE & PROPYLENE, MIXED
►Barclay Chem Co
*Dow Chem Co
*NYQ Chem Div, S B Penick & Co
►Peerless Oil & Chem Corp
*Union Carbide Chems Co
*Allied Industrial Product Co

GLYCOLS, POLYALKYLENE — see also Polyethylene Glycols
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►*Jefferson Chem Co
►*Nopco Chem Co
*Olin Mathieson Chem Corp, Organic Chems
*Union Carbide Chems Co
*C P Hall Co

GLYCOLS, POLYETHYLENE see Polyethylene Glycols

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GOLD ORANGE see Methyl Orange

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*Chemical Commerce
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*Goldsmith Bros Smelting & Refining Co
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GOULARD'S POWDER see Lead Acetate, Basic

GRAHAM'S SALT see Sodium Hexa-m-Phosphate

GRAMINE (Donaxine)
►*Aceto Chem Co
*Winthrop Labs
*Tracerlab Inc

GRAPE SUGAR see Dextrose

GRAPHITE (Plumbago, Black Lead, Mineral Carbon)
►Barclay Chem Co
Harshaw Chem Co
*National Carbon Co
Whittaker, Clark & Daniels
*Asbury Graphite Mills
*International Graphite & Electrode Div
*Los Angeles Chem Co
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GRAPHITE, COLLOIDAL
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*Acheson Colloids Co
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GRAY ACETATE see Calcium Acetate

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►*Foote Mineral Co
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*Baroid Div, National Lead Co
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*Esso Standard Oil Co
►*Monsanto Chem Co
*L Sonneborn Sons
►*Sun Oil Co
*Atlantic Refining Co
*New York & New Jersey Lubricant Co
*Rex Oil & Chem Co
*United States Petrochem Co
*W A Wood Co

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*Halocarbon Products Corp
*United States Petrochem

GREASES, SILICONE
*Dow Corning Corp
*General Elec Co, Silicone Products
*Union Carbide Corp, Silicones Div
*Anderson Chem Co
*Hodag Chem Corp
*United States Petrochem Co

GREASES, WATERPROOFING
*American Oil & Supply Co
*Dow Corning Corp
*Esso Standard Oil Co
*Atlas Refinery Inc
*United States Petrochem Co

GREASES, WOOL
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*Fanning Chem Corp
*Hummel Chem Co
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Robeco Chem
*Atlas Refinery Inc
*Fiber Chem Corp
*Lanaetex Products
*Madison Glue Corp
*Robinson Wagner Inc

GREEN CINNABAR see Chromium Oxide

GREEN COPPERAS see Iron Sulfate (ous)

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

GREEN VERDIGRIS see Copper Acetate, Basic

GREEN VITRIOL see Iron Sulfate (ous)

GREENLAND SPAR see Cryolite, Natural

GREENOCKITE see Cadmium Sulfide

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►*Vitro Mfg Co
Whittaker, Clark & Daniels
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GROUND-NUT OIL see Oil, Peanut

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*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co

GUAIACOL CARBONATE (Duotal)
*Heyden Newport Chem Corp
*Ott Chem Co
*Polychemical Labs

GUAIAC RESIN see Gum, Guaiac

GUANIDINE CARBONATE
R W Greeff & Co
►*Maumee Chem Co
*Millmaster Chem Corp
Riches-Nelson, Inc

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►*American Cyanamid Co, Industrial Chem Div
*New York Color & Chem Co

GUANIDINE THIOCYANATE
*Millmaster Chem Corp

GUANINE (2-Amino-6-Oxypurine)
*Rona Labs
*Schwarz Labs

GUHR see Diatomite

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O G Innes Corp
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*Colony Import & Export Corp
Croda, Inc
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*Marine Colloids, Inc
Stein, Hall & Co

GUM AMMONIAC
S B Penick & Co

GUM, ANIMI see Gum, Copal

GUM ARABIC (Acacia Gum, Senegal Gum)
►Barclay Chem Co
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*Morningstar-Paisley, Inc
*Felton Chem Co
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GUM, BENJAMIN see Gum, Benzoin

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George Lueders & Co
McKesson & Robbins, Inc, Chem Dept
Meer Corp
S B Penick & Co
*Van Ameringen-Haebler Div
*Hathaway Allied Products
*Prentiss Drug & Chem

GUMS, BOOT & SHOE
*Morningstar-Paisley, Inc
*B B Chem Co

GUM, BRITISH see Dextrin

GUM CAMPHOR see Camphor, Natural

GUM CATECHU see Cutch

GUM, COLORING see Gum, Gamboge

GUM, CONGO (Congo Copal, Hard Copal, Copal Resin, Cowrie, Kauri)
O G Innes Corp
►*Reichhold Chems, Inc

GUM, CONGO, FUSED
*O G Innes Corp
►*Reichhold Chems, Inc

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GUM DRAGON see Gum, Tragacanth

GUM, EAST INDIA
O G Innes Corp

GUM, ELEMI (Canarium, Manila Elemi)
O G Innes Corp
Meer Corp
*Felton Chem Co

GUM GAMBIR see Gambir

GUMS, ESTER
►*Allied Chem Corp, Plastics & Coal Chems Div
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Meer Corp
*Morningstar-Paisley, Inc
*Hathaway Allied Products
*Thurston & Braidich

GUM, GUAIAC (Guaiacum, Guaiac Resin)
McKesson & Robbins, Inc, Chem Dept

GUM, GUAR
►Barclay Chem Co
*Burtonite Co
*Colony Import & Export Corp
*T M Duche & Sons, Unigum Div
McKesson & Robbins, Inc, Chem Dept
Meer Corp
*Morningstar-Paisley, Inc
S B Penick & Co
*Stein, Hall & Co
*General Mills, Special Commodities Div
*Hathaway Allied Products
*Thurston & Braidich

GUM, HOG see Gum, Tragacanth

GUM, INDIAN see Gum, Karaya

GUM, JUNIPER see Gum, Sandarac

GUM, KARAYA (Indian Gum, Kadaya Gum)
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*T M Duche & Sons, Unigum Div
McKesson & Robbins, Inc, Chem Dept
Meer Corp
*Morningstar-Paisley, Inc
S B Penick & Co
*Stein, Hall & Co
*Jacques Wolf & Co
*Hathaway Allied Products
*Thurston & Braidich

GUM, KINO
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GUM LAC see Shellac

GUMS, LACQUER
O G Innes Corp

GUM, LOCUST BEAN (Tragasol)
*Burtonite Co
*Colony Import & Export Corp
*T M Duche & Sons, Unigum Div
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*Morningstar-Paisley, Inc
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GUM, MACASSAR see Agar

GUM, MANILA (Manila)
Acme Shellac Products Co
O G Innes Corp
*Morningstar-Paisley, Inc
*Thurston & Braidich

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GUM, MASTIC (Mastiche, Mastix, Pistachia Galls)
O G Innes Corp
*Morningstar-Paisley, Inc
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*Van Ameringen-Haebler Div
*Hathaway Allied Products

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S B Penick & Co
*Van Ameringen-Haebler Div
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S B Penick & Co
*Van Ameringen-Haebler Div
*Felton Chem Co *Prentiss Drug & Chem Co
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GUM, OPOPANAX
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*Van Ameringen-Haebler Div
*Felton Chem Co

GUMS, PAPERBOX & ENVELOPE
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*Stein, Hall & Co
*Adhesive Products Corp *National Starch & Chem Corp
*Industrial Adhesive Co *Rubba, Inc
*Industrial Chem Specialties Co *Thurston & Braidich

GUM, PONTIANAK (Jelutong)
O G Innes Corp

GUM, RED see Gum, Accroides

GUM ROSIN see Rosin, Gum

GUM, SANDARAC
O G Innes Corp
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GUM, SENEGAL see Gum Arabic

GUM, SHIRAZ
*Colony Import & Export Corp
*Morningstar-Paisley, Inc
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*Jacques Wolf & Co
*Thurston & Braidich

GUM, STARCH see Dextrin

GUM, STYRAX (Storax)
George Lueders & Co
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*Felton Chem Co *Hathaway Allied Products

GUM, THUS see Olibanum

GUMS, SYNTHETIC
*Alkydol Labs
*Dow Chem Co
Merchants Chem Co
*Morningstar-Paisley, Inc
*Neville Chem Co
►*Nopco Chem Co
►*Reichhold Chems, Inc
*Union Carbide Corp, Silicones Div
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*Burtonite Co
Croda, Inc
*Maher Color & Chem Co
*Marine Colloids, Inc
Meer Corp
Merchants Chem Co
S B Penick & Co
*Rumford Chem Works
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*Bryant Chem Co *Royce Chem Co
*Emkay Chem Co *Scher Bros
*Hart Products Corp *Thurston & Braidich
*Metro-Atlantic, Inc *Titan Chem Products
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GUM, TRAGACANTH (Hog Gum, Gum Dragon)
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*Morningstar-Paisley, Inc
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GUMTREE see Gum, Accroides

GUM TURPENTINE see Turpentine Gum

GUMS, VARNISH
O G Innes Corp
*Morningstar-Paisley, Inc
►*Reichhold Chems, Inc
*Industrial Adhesive Co *Thurston & Braidich

GUM, VEGETABLE see Dextrin

GUMS, WATER-SOLUBLE
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*Burtonite Co
*Colony Import & Export Corp
Merchants Chem Co
McKesson & Robbins, Inc, Chem Dept
Meer Corp
*Morningstar-Paisley, Inc
S B Penick & Co
*Stein, Hall & Co
Jacques Wolf & Co
*Bryant Chem Corp *National Starch & Chem Corp
*Hart Products Corp *Thurston & Braidich
*Hathaway Allied Products

GUM, YACCA see Gum, Accroides

GUM, YELLOW see Gum, Accroides

GUNCOTTON see Nitrocellulose

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*Company classifies itself as producer
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*National Gypsum Co
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*Ozark-Mahoning Co
*United States Gypsum Co

GYPSUM, CALCINED see Calcium Sulfate, Hemihydrate

H

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City Chem Corp
Conray Products Co
►*Foote Mineral Co
Millmaster Chem Corp
*Var-Lac-Old Chem Co
*Bram Metal-Chem Co
*Fairmount Chem Co

HAFNIUM OXIDE
City Chem Corp
Millmaster Chem Corp
*Var-Lac-Old Chem Co
*Fairmount Chem Co

HALAZONE (p-Sulfondichloroamino-benzoic Acid)
*Abbott Labs

HANSA YELLOW
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*Sherwin-Williams Co
*Atlantic Chem Corp
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Federal Color Labs
*Holland Color & Chem
*Imperial Color Chem & Paper Corp
*Magruder Color Co
*Western Dry Color Co
*Sandoz, Inc

HARDENERS, PHOTOGRAPHIC
*Hayden Newport Chem Corp
*Philip A Hunt Co
*Mallinckrodt Chem Works

HARDWOOD TAR see Tar, Wood

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HARTSHORN see Ammonium Carbonate

HEAT-TRANSFER MEDIA
►*Allied Chem Corp, Solvay Process Div
*American Oil & Supply Co
►*Commercial Solvents Corp
*Dow Chem Co
*Dow Corning Corp
►*E I duPont de Nemours & Co, "Freon" Products Div
*Eastern Chem Corp
*Esso Standard Oil Co
*General Elec Co, Silicone Products
*Hayden Newport Chem Corp
►*Hooker Chem Corp
►*Jefferson Chem Co
►Monsanto Chem Co
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Anderson Chem Co
*Archer-Daniels-Midland Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Union Carbide Olefins Co

HEAT-TRANSFER SALTS
*Davies Nitrate Co
*E I du Pont de Nemours & Co, Explosives Dept
►*Foote Mineral Co
*E I du Pont de Nemours & Co, Grasselli Chem

HEAVY CARBURETTED HYDROGEN see Ethylene

HEAVY SPAR see Barium Sulfate

HEAVY SPAR, SYNTHETIC see Blanc Fixe

HELIANTHINE B see Methyl Orange

HELIOTROPIN (Piperonal)
Florasynth Labs
*Givaudan
Henley & Co
*S B Penick & Co
*Shulton, Inc

HELIUM
*Ohio Chem & Surgical Equipment Co Div
*Linde Co

HELLEBORE ROOT (Veratrum Viride)
*Prentiss Drug Chem Co

HEMATEIN
►*Allied Chem Corp, National Aniline Div
*Hartman-Leddon Co

HEMATIN EXTRACT
*New York Color & Chem Co

HEMATOIDIN see Bilirubin

HEMATOXYLIN (Hydroxybrasilin)
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Hartman-Leddon Co
*New York Color & Chem Co

HEMATOXYLON see Logwood

HEMIN (Chlorhemin)
*K & K Labs

HEMLOCK EXTRACT
*Crown Zellerbach Corp
*Arthur C Trask Co

HEPAR CALCIS see Calcium Sulfide

HEPARIN SODIUM (Heparin)
Conray Products Co
European Chem Co
*Fallek Products Co
R W Greeff & Co
Henley & Co
Roussel Corp
*Abbott Labs
*Ben Venue Labs
*Biorganic Labs
*Chemical Compounding
*Roselle Lab
*Wilson Labs

HEPATIC GAS see Hydrogen Sulfide

HEPTACHLOR
Faesy & Besthoff
*Pennsalt Chems Corp
Trio Chem Works
*Prentiss Drug & Chem Co
*Velsicol Chem Corp

HEPTADECANOL see Alcohol, Heptadecyl

HEPTALDEHYDE
*Baker Castor Oil Co
Florasynth Labs
*Givaudan
International Selling Corp
Millmaster Chem Corp
S B Penick & Co

HEPTANE (Methyl Hexane, Dipropyl-methane, Hexyl Methane)
►American-British Chem Supplies
*American Oil & Supply Co
R J Brown Co
Chemical Solvents, Inc
DeMert & Dougherty, Inc
*Esso Standard Oil Co
►*Humphrey-Wilkinson
►Jones Chems, Inc
*Matheson Coleman & Bell
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Petroleum Specialties
*Phillips Petroleum Co, Special Products Div
Solvents & Chems Group
Tar Residuals
Wallach-Gracer Export Corp
*Delhi-Taylor Oil Corp, Chem Div
*Eastern States Petroleum & Chem Corp
*Penola Oil Co
*United Fuel Gas Co

1-HEPTANOL (n-Heptyl Alcohol)
*Aldrich Chem Co
*Baker Castor Oil Co
Florasynth Labs
►*Humphrey-Wilkinson
International Selling Corp

3-HEPTANOL (Butyl Ethyl Carbinol)
*Sapon Labs

4-HEPTANONE see Di-n-Propyl Ketone

HEPTENES
*Aldrich Chem Co
*Gulf Oil Corp, Petrochems Dept
►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp

HEPTYL ACETATE
*Polak's Frutal Works

n-HEPTYL BROMIDE (1-Bromoheptane)
►*Humphrey-Wilkinson
*R S A Corp
*Andor Labs
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*Trio Chem Works
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*Amchem Products
*Chipman Chem Co
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*Frontier Chem Co
*Geigy Agricultural Chem
*Miller Chem & Fertilizer Corp
*National Aluminate Corp
*Naugatuck Chem Div
*Standard Oil Co (Indiana)

HERRABOL MYRRH see Gum, Myrrh

HESPERIDIN
Gallard-Schlesinger Chem Mfg Corp
*Freeman Industries

HEXACHLOROBENZENE
*Diamond Alkali Co
*Dow Chem Co
Fallek Products Co
Hummel Chem Co
International Selling Corp
H P Rossiger & Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE see Benzene Hexachloride

HEXACHLOROCYCLOPENTADIENE
*Aldrich Chem Co
►*Hooker Chem Corp

HEXACHLOROETHANE (Carbon Trichloride, Carbon Hexachloride, Perchloroethane)
►Baird Chem Industries, Inc
Chemical Mfg Co
Fallek Products Co
Henley & Co
Hummel Chem Co
International Selling Corp
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Republic Chem Corp

HEXACHLOROPHENE
*Givaudan
Sindar Corp

HEXACHLOROPROPENE see Hexachloropropylene

HEXACHLOROPROPYLENE (Perchloropropylene, Hexachloropropene)
*Aldrich Chem Co
*Eastern Chem Corp
►*Stauffer Chem Co
*Roberts Chems, Inc

n-HEXADECANE
►*Humphrey-Wilkinson
*Archer-Daniels-Midland Co

1-HEXADECANOL see Alcohol, Cetyl

1-HEXADECENE
►*Humphrey-Wilkinson
*Archer-Daniels-Midland Co

HEXADECENYL SUCCINIC ACID ANHYDRIDE
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n-HEXADECYL COMPOUNDS see corresponding Cetyl compound

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HEXAGLYCERINE see Trimethylolpropane

HEXAHYDROCRESOL see Methyl Cyclohexanol

HEXAHYDROPHENOL see Cyclohexanol

HEXAHYDROPHTHALIC ANHYDRIDE
►*Allied Chem Corp, National Aniline Div

HEXAHYDROPYRAZINE see Piperazine

HEXAHYDROPYRIDINE see Piperidine

HEXALIN see Cyclohexanol

HEXAMETHONIUM
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*Polychemical Labs

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*Fallek Products Co
*R S A Corp
*Biorganic Labs *Polychemical Labs
*Hexagon Labs *Roselle Labs

HEXAMETHONIUM IODIDE
*Fallek Products Co
Intex Chem Corp
*R S A Corp
*Biorganic Labs *Roselle Labs

HEXAMETHYLENE see Cyclohexane

HEXAMETHYLENEAMINE see Hexamethylenetetramine

HEXAMETHYLENE DIBROMIDE
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*Fine Organics
*Polychemical Labs

HEXAMETHYLPHOSPHORAMIDE
►*Monsanto Chem Co

HEXAMINE see Hexamethylenetetramine

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*K & K Labs
*G Frederick Smith Chem Co

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►Peerless Oil & Chem Corp
*Roberts Chems, Inc

1,2,6-HEXANETRIOL
*Atlas Powder Co, Chems Div
*Union Carbide Chems Co

HEXANITROMANNITE see Mannitol Hexanitrate

1-HEXANOL see Alcohol, n-Hexyl

HEXENES
►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div

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*Fallek Products Co
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*Vitamins, Inc
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R W Greeff & Co
*Winthrop Labs
*Chemo Puro Mfg Corp

HEXOBARBITAL SODIUM
*Gane's Chem Works

HEXONE see Methyl Isobutyl Ketone

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*Andor Labs *Polak's Frutal Works

n-HEXYLAMINE
*Andor Labs

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►*Humphrey-Wilkinson
*Andor Labs

n-HEXYL CHLORIDE
►*Aceto Chem Co
►*Humphrey-Wilkinson
*Andor Labs

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HEXYLMETHANE see Heptane

HEXYL METHYL KETONE see Methyl Hexyl Ketone

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Millmaster Chem Corp
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*Biorganic Labs
*Hexagon Labs
*Sandoz Pharmaceutical Div

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Conray Products Co
Henley & Co
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*Biorganic Labs
*Naugatuck Chem Div
*Organics, Inc
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*Sterol Derivatives, Inc

HORTICULTURAL CHEMICALS
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*Eastern Chem Corp
Faesy & Besthoff
►*Rohm & Haas Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

►*Stauffer Chem Co
►*Tennessee Corp
*Thompson-Hayward Chem Co
*Union Carbide Chems Co

*Amchem Products
*California Spray-Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*B R Elk & Co
*Miller Products Co
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*Norton Chem Works
*Triangle Chem Co

HUMECTANTS

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*Dow Chem Co
Merchants Chem Co
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HYDRACRYLONITRILE see Ethylene Cyanohydrin

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HYDRAZINE BASE see Hydrazine

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HYDRAZINE MONOHYDROCHLORIDE

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*Fairmount Chem Co

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*Carwin Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

HYDROBENZOIN

►*Benzol Products Co

*Beacon Chem Industries

HYDROCARBON BLACK see Carbon Black

HYDROCARBONS (see also p 374)

►*Allied Chem Corp, Plastics & Coal Chems Div
*American Oil & Supply Co
*Amoco Chem Corp
*Antara Chem Div
►Eniay Co
*Esso Standard Oil Co
*Gulf Oil Corp, Petrochems Dept
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*Neville Chem Co
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HYDROCHINONE see Hydroquinone

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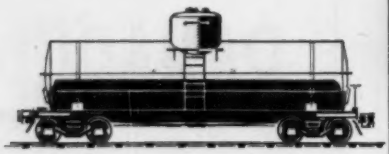
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Isobutane	X	X	X	X
Normal Butane	X	X	X	X
2,2-Dimethylpropane	X	X	X	
Isopentane	X	X	X	X
Normal Pentane	X	X	X	X
2,2-Dimethylbutane	X	X	X	
2,3-Dimethylbutane	X	X	X	X
2-Methylpentane	X	X	X	
3-Methylpentane	X	X	X	
Isohexanes				X
Normal Hexane	X	X	X	X
2,3-Dimethylpentane			X	
2,4-Dimethylpentane	X	X	X	
3-Methylhexane			X	
Isoheptanes				X
Normal Heptane	X	X		X
2,2,4-Trimethylpentane	X	X		
2,3,4-Trimethylpentane	X	X	X	
Trimethylpentanes		X	X	
Dimethylhexanes		X	X	
Isooctanes				X
Normal Octane	X	X	X	
2,2,5-Trimethylhexane	X	X	X	
Normal Nonane	X	X	X	
Normal Decane	X	X	X	
Normal Undecane	X	X	X	
Normal Dodecane		X	X	
Normal Tridecane	X	X	X	
Normal Tetradecane		X	X	
CYCLOPARAFFINS				
Cyclopentane	X	X	X	X
Methylcyclopentane	X	X	X	
Cyclohexane	X	X	98%	X
Methylcyclohexane	X	X	X	X
cis-1,2-Dimethylcyclohexane	X	X	X	
trans-1,2-Dimethylcyclohexane	X	X	X	
Mixed 1,2-Dimethylcyclohexanes		X	X	
OLEFINS				
Ethylene	X	X		X
Propylene	X	X	X	X
Isobutylene	X	X		X
Butene-1	X	X	X	X

Grade	Research	Pure 99%	Tech 95%	Commercial
OLEFINS (Continued)				
trans-Butene-2	X	X	X	
cis-Butene-2	X	X	X	
Butene-2		X	X	X
2-Methylbutene-1	X	X	X	
3-Methylbutene-1	X	X	X	
2-Methylbutene-2	X	X	X	
Pentene-1	X	X	X	
cis-Pentene-2			X	
Pentene-2		X	X	
4-Methylpentene-1	X	X	X	
cis-4-Methylpentene-2	X	X	X	
trans-4-Methylpentene-2	X	X	X	
4-Methylpentene-2		X	X	
2-Methylpentene-1	X	X	X	
Hexene-1	X	X	X	
Mixed Normal Hexenes			X	
Heptene-2		X	X	
Heptene-3			X	
2,4,4-Trimethylpentene-1	X	X	X	
2,4,4-Trimethylpentene-2			X	
Octene-1	X	X	X	
Octene-2			X	
Mixed Normal Octenes			X	
Isooctenes				X
2,6-Dimethylheptene-3			X	
CYCLOOLEFINS				
Cyclopentene	X			
Cyclohexene	X	X	X	
4-Vinylcyclohexene-1	X	X	X	
Cyclooctadiene-1,5		X	X	
DIOLEFINS				
Butadiene-1,3	X	X	98%	X
2-Methylbutadiene-1,3	X	X	X	
AROMATICS				
Benzene	X	X	X	
Toluene	X	X	X	
Ethylbenzene	X	X	X	
ortho-Xylene	X	X	X	
para-Xylene	X	X	X	X
meta-Xylene	X	X	X	
Mixed Xylenes		X	X	
Isopropylbenzene	X	X	X	
sec-Butylbenzene	X	X	X	
tert-Butylbenzene	X	X	X	
n-Butylbenzene	X	X	X	
1,2,4-Trimethylbenzene	X	X	X	
1-Phenylbutene-2			X	

Hydrocarbon Mixtures, Instrument Grade Gases, Natural Gas, Regular and Special Solvents, Reference Fuels, Tertiary Aliphatic Mercaptans, Ditertiary Aliphatic Disulfides, Polymerization Grade Olefins and Diolefins, Aerosol Propellants, Spectro Grade Solvents, and Copper Sweetening Reagent.

Certain Normal Aliphatic Mercaptans are also available.

Write for Complete Information

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SPECIAL PRODUCTS DIVISION

BARTLESVILLE, OKLAHOMA

HYDROCARBONS (see also p 373)
*Phillips Petroleum Co, Special Products Div

HYDROFURAMIDE (Furfuramide)
*Aldrich Chem Co
►*Quaker Oats Co
►*Westvaco Chlor-Alkali Div

HYDROGEN BROMIDE see Acid, Hydrobromic

HYDROGEN BROMIDE, ANHYDROUS
*Dow Chem Co
Matheson Co
►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
*Great Lakes Chem Corp

HYDROGEN CHLORIDE, ANHYDROUS
*Diamond Alkali Co
*Dow Chem Co
Matheson Co
*Pennsalt Chems Corp
*Consolidated Chem Industries
*Frontier Chem Co

HYDROGEN CYANIDE see Acid, Hydrocyanic

HYDROGEN DIAMMONIUM PHOSPHATE see Ammonium Phosphate, Dibasic

HYDROGEN DIOXIDE see Hydrogen Peroxide

HYDROGEN FLUORIDE see Acid, Hydrofluoric

HYDROGEN FLUORIDE, ANHYDROUS
►*Allied Chem Corp, General Chem Div
*Blockson Chem Co
Matheson Co
*Pennsalt Chems Corp
►*Stauffer Chem Co
*Nyotex Chems Div
*Pilot Engrg Co

HYDROGEN GAS
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*Texas Butadiene & Chem Corp
►*Wyandotte Chem Corp
*Bio-Rad Labs
*Linde Co
*Southern Oxygen Co

HYDROGEN IODIDE see Acid, Hydriodic

HYDROGEN PEROXIDE (Hydrogen Dioxide, Perhydrol Peroxide, Oxogen)
►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Solvay Process Div
American Oil & Supply Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►*Becco Chem Div
*Columbia-Southern Chem Corp
*Fisher Scientific Co
Globe Chem Co
Independent Chem Corp
Inland Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Pennsalt Chems Corp
Sessions-Gifford Co
Irving M Sobin Chem Co
J U Starkweather Co
Thompson-Hayward Chem Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Schuykill Chem Co
*Shell Chem Corp

HYDROGEN SULFATE see Acid, Sulfuric

HYDROGEN SULFIDE (Sulfuretted Hydrogen, Hydrosulfuric Acid, Hepatic Gas)
*Columbia-Southern Chem Corp
*Matheson Co

HYDROQUINOL see Hydroquinone

HYDROQUINONE (p-Dioxybenzene, Hydrochinone, Hydroquinol, p-Dihydroxybenzene, p-Dihydroxyphenol)
►*Allied Chem Corp, General Chem Div
►Baird Chem Industries, Inc
►*J T Baker Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

*Carus Chem Co
►*Eastman Chem Products
Filo Color & Chem Corp
Philip A Hunt Co
*Mallinckrodt Chem Works

*Nyanza Color & Chem Co

HYDROSULFITES — see also Sodium Hydrosulfite
*Fallek Products Co
►*Tennessee Corp
*Victor Chem Works
*Jacques Wolf & Co

*Royce Chem Co

HYDROTROPIC AGENTS
►*Monsanto Chem Co
Roussel Corp
*Ultra Chem Works Div

*Wica Chems Inc

HYDROUS FERRIC PEROXIDE see Iron Hydroxide

o-HYDROXYACETOPHENONE
*Aldrich Chem Co
R W Greeff & Co
►*Kay-Fries Chems

p-HYDROXYACETOPHENONE
R W Greeff & Co
►*Kay-Fries Chems

2-HYDROXYADIPALDEHYDE
*Union Carbide Chems Co

o-HYDROXYANISOLE see Guaiacol

p-HYDROXYANISOLE see Ether, Hydroquinone Monomethyl

HYDROXYANISOLE, BUTYLATED see Butylated Hydroxyanisole

p-HYDROXYAZOBENZENE
*Eastern Chem Corp
*Eastman Organic Chems

m-HYDROXYBENZALDEHYDE
►*Allied Chem Corp, National Aniline Div
*Dow Chem Co

HYDROXYBENZENE see Phenol

p-HYDROXYBENZOIC ACID ESTERS
►Aceto Chem Co
*Goldschmidt Chem Corp
R W Greeff & Co
*Heyden Newport Chem Corp

*Chemo Puro Mfg Corp

HYDROXYBRASILIN see Hematoxylin

HYDROXYBUTANE see Alcohol, n-Butyl

β-HYDROXYBUTYRALDEHYDE see Aldol

HYDROXYCITRONELLAL
*Aldrich Chem Co
Florasynth Labs
*Givaudan
R W Greeff & Co
George Lueders & Co

*Polak's Frutal Works *Rhodia, Inc

4-HYDROXYCOUMARIN
*Aldrich Chem Co
*Fine Organics
*NYQ Chem Div, S B Penick & Co

*Abbot Labs

2-HYDROXY-p-CYMENE see Carvacrol

3-HYDROXY-p-CYMENE see Thymol

2-HYDROXYETHYL AMINE see Ethanolamine

HYDROXYETHYL CELLULOSE
*Union Carbide Chems Co

HYDROXYETHYLETHYLENE DIAMINE see Aminoethylethanolamine

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*Olin Mathieson Chem Corp, Industrial Chems

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►*Commercial Solvents Corp

HYDROXYHEPTYL PEROXIDE
*Lucidol Div, Wallace & Tiernan Inc

α-HYDROXYISOBUTYRONITRILE see Acetone Cyanohydrin

4-HYDROXY-2-KETO-4-METHYLPENTANE see Alcohol, Diacetone

HYDROXYLAMINE HYDROCHLORIDE (Oxammonium Hydrochloride)
*Aldrich Chem Co
►*J T Baker Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*Fine Organics
*Fisher Scientific Co
*Mallinckrodt Chem Works
Matheson Coleman & Bell
*Fairmount Chem Co

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*Southwestern Analytical Chem

HYDROXYLAMINE SULFATE (Oxammonium Sulfate)
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*Fine Organics
Fisher Scientific Co
Matheson Coleman & Bell
*Virginia Smelting Co
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HYDROXYLAMMONIUM CHLORIDE
►*Commercial Solvents Corp

HYDROXYLAMMONIUM SULFATE
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2-HYDROXY-3-METHOXYBENZALDEHYDE see o-Vanillin

4-HYDROXY-3-METHOXYBENZALDEHYDE see Vanillin

2-HYDROXY-1-NAPHTHALDEHYDE
*Aldrich Chem Co
*K & K Labs
►*Kay-Fries Chems

2-HYDROXYNAPTHALENE see β-Naphthol

2-HYDROXY-1,4-NAPHTHOQUINONE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div

m-HYDROXYPHENOL see Resorcinol

o-HYDROXYPHENOL see Pyrocatechol

p-HYDROXYPHENOL see Hydroquinone

β-p-HYDROXYPHENYLALANINE see Tyrosine

o-HYDROXYPHENYL MERCURIC CHLORIDE
*Metalsalts Corp

α-HYDROXYPROPIONITRILE see Lactonitrile

β-HYDROXYPROPIONITRILE see Ethylene Cyanohydrin

p-HYDROXYPROPIOPHENONE
►*Sumner Chem Co Div

N-(2-HYDROXYPROPYL) ETHYLENEDIAMINE
►*Wyandotte Chem Corp

N'-(2-HYDROXYPROPYL)-2-METHYL-1,2-PROPANEDIAMINE
►*Commercial Solvents Corp

HYDROXYPYRIDINE see Pyridol

HYDROXYPYRUVIC ALDEHYDE
*K & K Labs

2-HYDROXYQUINOLINE
*Electro Organic Corp

8-HYDROXYQUINOLINE
►*J T Baker Chem Co
►*Benzol Products Co
Conray Products Co
J H DeLamar & Son
*Eastman Organic Chems
Fisher Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*NYQ Chem Div, S B Penick & Co
G Frederick Smith Chem Co
*Gamma Chem Corp *B L Lemke & Co

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►*Benzol Products Co
Fisher Chem Co
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McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*Gamma Chem Corp *Polychemical Labs
*B L Lemke & Co

8-HYDROXYQUINOLINE CITRATE
Fisher Chem Co
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*Gamma Chem Corp *Polychemical Labs
*B L Lemke & Co

8-HYDROXYQUINOLINE SULFATE
►*Benzol Products Co
*Fallek Products Co
Fisher Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*NYQ Chem Div, S B Penick & Co
*Gamma Chem Corp *Polychemical Labs
*B L Lemke & Co

α-HYDROXYTOLUENE see Alcohol, Benzyl

m-HYDROXYTOLUENE see m-Cresol

HYOSCINE see Scopolamine

HYOSCYAMINE
European Chem Co
*Gane & Ingram
Henley & Co
Chas L Huisking & Co
*S B Penick & Co
George Uhe & Co
*Roselle Labs *Sandoz Pharmaceutical

dl-HYOSCYAMINE see Atropine

HYPO see Sodium Thiosulfate

I

ICE STONE see Cryolite, Natural

ICHTHAMMOL
*Fallek Products Co
Gane & Ingram
*Heyden Newport Chem Corp
Chas L Huisking & Co
*Mallinckrodt Chem Works
NYQ Chem Div, S B Penick & Co
Robeco Chems
*Roselle Labs

ILMENITE (Menaccanite, Titanic Iron Ore)
►Baird Chem Industries, Inc
►Berkshire Chems Inc
►*Foote Mineral Co
►*Metal & Thermit Corp
*National Lead Co
►*Titanium Alloy Mfg Div

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

IMIDAZOLE (Glyoxaline; 1,3-Diazole)
*Eastern Chem Corp
*Edcan Labs
*Eli Lilly & Co

4-IMIDAZOLE ETHYLAMINE see Histamine

2-IMIDAZOLIDINETHIONE see Ethylene Thiourea

3,3-IMINOBISPROPYLAMINE
*Aldrich Chem Co

IMPERIAL GREEN see Copper Acetoarsenite

1,3-INDANDIONE
*Aldrich Chem Co
*Pierce Chem Co

INDANOLS
*Aldrich Chem Co

INDENE
*Aldrich Chem Co
*Neville Chem Co
*Edcan Labs
*Felton Chem Co

INDIAN BALSAM see Balsam, Peruvian

INDIAN RED see Iron Oxide, Red

INDIAN SAFFRON see Turmeric

INDICATORS, HUMIDITY
►*Davison Chem Co Div
*W A Hammond Drierite

INDICATORS, OXIDATION-REDUCTION
►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp
*Eastman Organic Chems
*Matheson Coleman & Bell
*G Frederick Smith Chem Co

INDICATORS, pH
►*Allied Chem Corp, National Aniline Div
City Chem Corp
*Eastern Chem Corp
*Eastman Organic Chems
*Hercules Powder Co
*Matheson Coleman & Bell
*Hagan Chem & Controls
*Hartman-Leddon Co

INDIGO
►*Allied Chem Corp, National Aniline Div
*Ciba Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

INDIUM, METAL
Chemical Commerce
City Chem Corp
International Selling Corp
*Millmaster Chem Corp
*Var-Lac-Oid Chem Co
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*Bram Metal-Chem Co
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Florasynth Labs
*Givaudan
*Rhodia, Inc

INDULIN see Lignin, Alkali

INFUSORIAL EARTH see Diatomite

INHIBITORS, CORROSION
*Air Reduction Chem Co Div
►*Allied Chem Corp, Solvay Process Div
*American Oil & Supply Co
*Amoco Chems Corp
*Antara Chem Div
►*Armour Industrial Chem Div
*Atlas Powder Co, Chems Div
►*Bryton Chem Co
►*Commercial Solvents Corp
*Concord Chem Co
*Diamond Alkali Co
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*Ethyl Corp
►*General Mills, Chem Div
*Gulf Oil Corp, Petrochems Dept
*Heyden Newport Chem Corp
►*Jefferson Chem Co
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►*M Michel & Co
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*Olin Mathieson Chem Corp, Industrial Chems
*Oronite Chem Co
*Patent Chems
*Pennsalt Chems Corp
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*Reilly Tar & Chem Corp
►*Sinclair Petrochems, Inc
Sole Chem Corp
*L Sonneborn Sons
►*Stauffer Chem Co
*Union Carbide Chems Co
*Universal Oil Products Co
►*Virginia-Carolina Chem Corp
►*Wilson-Martin (Div Wilson & Co)
►*Wyandotte Chem Corp
*Adhesive Products Corp
*Alox Corp
*Amchem Products
*Ampion Corp
*Arol Chem Products Co
*Atlas Refinery, Inc
*Beacon Chem Industries
*Bell-Ray Chem Corp
*Bernard Chem Products Co
*Britex Corp
*Clarkson Labs
*Crowley Tar Products Corp
*Dominion Products
*Eastern Color & Chem
*Elgin Softener Corp
*B H Elk & Co
*Emkay Chem Co
*Eureka Chem Co
*Feedwaters, Inc
*Geigy Industrial Chems Div
*Hagan Chem & Controls
*E F Houghton & Co
*Ideal Chem & Supply
*Klem Chem
*Magnuson Products Corp
*Harry Miller Corp
*Mona Industries
*National Aluminate Corp
*Norton Chem Works
*Oakite Products
*Octagon Process, Inc
*Penetone Co
*Pennsylvania Refining Co
*Process Chems Co
*Raybo Chem Co
*Reilly-Whiteman-Walton Co
*Rubba, Inc
*Scher Bros
*E W Smith Chem Co
*The Texas Co
*Tretolite Co Div
*Troy Chem Co
*United States Petrochem Co
*Western Chem Co
*White & Bagley Co

INHIBITORS, FOAM see Defoamers

INHIBITORS, GUM
*Amoco Chem Corp
►*Eastman Chem Products
*Universal Oil Products Co
*Octagon Process, Inc

INHIBITORS, MOLD
►*Armour Industrial Chem Co
*Ciba Co
*E I du Pont de Nemours & Co, Polychem Dept
►*Eastman Chem Products
*Goldschmidt Chem Corp
*Heyden Newport Chem Corp
Intex Chem Corp
►*Monsanto Chem Co
*Nuodex Products Co
*L Sonneborn Sons
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*Union Carbide Chems Co
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*Process Chem Specialties
*Scientific Oil Compounding Co
*E W Smith Chem Co
*Troy Chem Co

INHIBITORS, OXIDATION see Antioxidants

INHIBITORS, POLYMERIZATION
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►*Eastman Chem Products
*Pennsalt Chems Corp
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*Raybo Chem Co
*Troy Chem Co

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►Peerless Oil & Chem Corp
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Petroleum Specialties
*L Sonneborn Sons
►*Sun Oil Co
*Synthetic Chems
*Trio Chem Works
Tobey Chem Co
*California Spray-Chem Corp
*Cardinal Chem Co
*Fairfield Chem Div
*Illinois Minerals Co
*Pennsylvania Refining Co
*Shell Oil Co

INSECTICIDE BASES, SYNTHETIC
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*McLaughlin Gormley King Co
►Peerless Oil & Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Rohm & Haas Co
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*Trio Chem Works
*Union Carbide Chems Co
►*Westvaco Chlor-Alkali Div
*California Spray-Chem
*Cardinal Chem Co
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Lindane Technical & Formulations
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Maleic Hydrazide Formulations
Mercury Spray
Methoxychlor Formulations
Ovex Formulations
Parathion Formulations
Phygon** Formulations
Potassium Cyanate
Quinex
TCA Sodium Salt
Sodium Arsenite
Spergon** Formulations
Sulfurs
TDE Technical & Formulations
TEPP
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*American Mineral Spirits Co
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*Columbia-Southern Chem Corp
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*Johns-Manville
Merchants Chem Co
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*Neville Chem Co
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►Peerless Oil & Chem Corp
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*Thomas Alabama Kaolin Co
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*Velsicol Chem Corp
*Weyerhaeuser Timber Co, Silvatek Products Div

INSECTICIDES

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►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Solvay Process Div
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H J Baker & Bro
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*Chapman Chem Co
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►*Sun Oil Co
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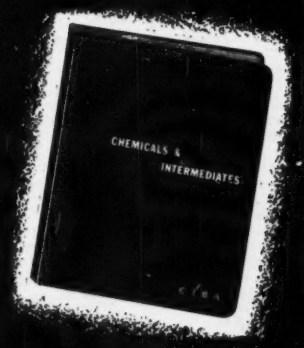
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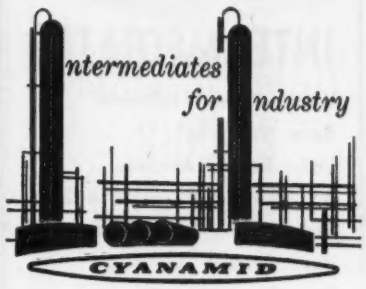
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*C K Williams & Co

*Frank D Davis Co
*Landers-Segal Color Co
*Tamms Industries
*Minnesota Mining & Mfg Co, Chem Div

IRON OXIDE, ROUGE see Iron Oxide, Red

IRON OXIDE, TAN

*Columbian Carbon Co
Harwick Standard Chem Co
*Mineral Pigments Corp
*Prince Mfg Co
*Smith Chem & Color Co

*Frank D Davis Co
*Landers-Segal Color Co

IRON OXIDE, YELLOW (ic) (Precipitated Yellow Oxide, Yellow Oxide, Ferrite Yellow, Mars Yellow, Jaune de Mars)

*Columbian Carbon Co
Harshaw Chem Co
Harwick Standard Chem Co
*Mineral Pigments Corp
*Prince Mfg Co
*Smith Chem & Color Co
Irving M Sobin Chem Co
Whittaker, Clark & Daniels
*C K Williams & Co

*Frank D Davis Co
*Landers-Segal Color Co
*Tamms Industries

IRON PENTACARBONYL

*Antara Chem Div
City Chem Corp

IRON PERCHLORATE (ic)

*G Frederick Smith Chem Co

IRON PERCHLORATE (ous)

*G Frederick Smith Chem Co

IRON PERCHLORIDE see Iron Chloride (ic)

IRON PHOSPHATE (ic) (Ferric Phosphate)

*City Chem Corp
*Mallinckrodt Chem Works
*Joseph Turner & Co

*Schuylkill Chem Co

IRON o-PHOSPHATE (ic)

*Iron Specialties Co
*Joseph Turner & Co
*Victor Chem Works

*Schuylkill Chem Co

IRON POWDER see Iron, Reduced and Iron Powder, Carbonyl

IRON POWDER, CARBONYL

*Antara Chem Div
►Barclay Chem Co
*Belmont Smelting & Refining Works

IRON PYRITES see Pyrites

IRON PYROPHOSPHATE

*Mallinckrodt Chem Works
*Joseph Turner & Co
*Victor Chem Works

IRON, REDUCED

*Belmont Smelting & Refining Works
*Mallinckrodt Chem Works
*C K Williams & Co

*Ceresit Waterproofing Corp
*National-U S Radiator Corp

IRON RESINATE (Ferric Resinate)

*Harshaw Chem Co
*McGean Chem Co
Shepherd Chem Co

*J Meyer & Sons
*Fred'k A Stresen-Reuter

IRON SESQUICHLORIDE see Iron Chloride (ic)

IRON SESQUIOXIDE see Iron Oxide, Red

IRON SESQUIOXIDE, HYDRATED see Iron Hydroxide

IRON SESQUISULFATE see Iron Sulfate (ic)

IRON-SODIUM OXALATE (Ferric-Sodium Oxalate)

*Mallinckrodt Chem Works
*Chas Pfizer & Co

IRON STEARATE (Ferric Stearate)

►Barclay Chem Co
*Harshaw Chem Co
*Mathe Chem Co
Millmaster Chem Corp
Shepherd Chem Co
►*Witco Chem Co

*Cabell Chem Co
*Leffingwell Chem Co

IRON SUBCARBONATE see Iron Oxide, Brown

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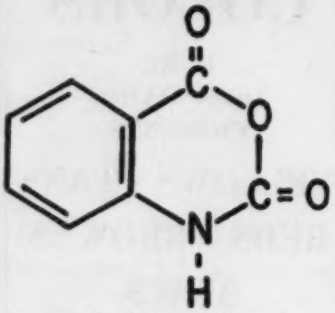
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Globe Chem Co
Harshaw Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Opalco Lab
►*Stauffer Chem Co
►*Tennessee Corp

*Consolidated Chem Industries

IRON SULFATE (ous)

►*Allied Chem Corp, General Chem Div
H J Baker & Bro
►* J T Baker Chem Co
►Berkshire Chems Inc
Faesy & Besthoff
*Fanning Chem Corp
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
Howe & French Inc
►Jones Chems, Inc
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
Opalco Lab
E M Sergeant Pulp & Chem Co
Wollen Chem & Supply Co

*Glidden Co *K A Steel Chems

IRON SULFIDE (ous) (Ferrous Sulfide)

►* J T Baker Chem Co
*Mallinckrodt Chem Works

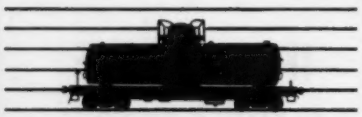
IRON SULFURET see Iron Sulfide

IRON TALLATE

*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co

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IRON TERSULFATE see Iron Sulfate (ic)



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IRON THIOCYANATE (ic)

*City Chem Corp

IRON TRICHLORIDE see Iron Chloride (ic)

IRON TRIOXIDE see Iron Oxide, Red

IRON VITRIOL see Iron Sulfate (ous)

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►*Allied Chem Corp, National Aniline Div

ISATOIC ANHYDRIDE (N-Carboxyanthranilic Anhydride)

R W Greeff & Co
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*Fritzsche Bros

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*Givaudan

*Andor Labs *Polak's Frutal Works

ISOAMYL BROMIDE

*Brothers Chem Co

ISOAMYL BUTYRATE

*Givaudan

*Firestone Synthetic Rubber & Latex Co *Fritzsche Bros

ISOAMYL IODIDE (Iso-Iodopentane)

*Eastern Chem Corp

*Andor Labs *Brothers Chem Co

ISOAMYL NITRITE

*Mallinckrodt Chem Works

ISOAMYL SALICYLATE

Florasynth Labs
*Givaudan

*Davies-Young Soap Co *Polak's Frutal Works

ISOBORNEOL

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*Rhodia, Inc

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Florasynth Labs
*Givaudan
*NYQ Chem Div, S B Penick & Co
S B Penick & Co

*Rhodia, Inc *Schimmel & Co

ISOBUTANE (Trimethylmethane)

Matheson Co
*Phillips Petroleum Co, Special Products Div

*Eastern States Petroleum & Chem Corp

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*Petro-Tex Chem Corp
*Phillips Petroleum Co, Special Products Div
*Texas Butadiene & Chem Corp

*Eastern States Petroleum & Chem Corp

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American Mineral Spirits Co
►Baird Chem Industries, Inc
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►*Eastman Chem Products
Florasynth Labs
►Jones Chems, Inc

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►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co
*Polak's Frutal Works

ISOBUTYLAMINE
*Pennsalt Chems Corp

ISOBUTYL-p-AMINOBENZOATE
R W Greeff & Co
*Polychemical Labs

ISOBUTYL BENZOATE
Florasynth Labs
*Givaudan
*Andor Labs *Polak's Frutal Works

ISOBUTYL BROMIDE (1-Brome-2-Methylpropane)
*Andor Labs *Brothers Chem Co

ISOBUTYL BUTYRATE
Florasynth Labs
*Andor Labs

ISOBUTYL CAPROATE
Florasynth Labs

ISOBUTYL CARBINOL see Alcohol, Isoamyl

ISOBUTYLENE see Isobutene

ISOBUTYLENE OXIDE
*Farchan Research Labs

ISOBUTYL ISOBUTYRATE
►*Eastman Chem Products
Florasynth Labs

ISOBUTYL MERCAPTAN
*Wateree Chem Co

ISOBUTYL METHACRYLATE
*E I du Pont de Nemours & Co, Polychem Dept
*Sartomer Resins, Inc

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*Givaudan
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Van Ameringen-Haebler Div
*Dodge & Olcott *Polak's Frutal Works

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*Aldrich Chem Co
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*Union Carbide Chems Co

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Aldrich Chem Co
►*Eastman Chem Products

ISOCYANATES
►*Allied Chem Corp, National Aniline Div
►Baird Chem Industries, Inc
*Fallek Products Co
*K & K Labs
►*Nopco Chem Co
*Atlas Mineral Products *E I du Pont de Nemours
*B B Chem Co & Co, Elastomer
*Carwin Co Chems Dept
*Chemical Coatings & Engrg Co *Mobay Chem Co

ISODECYL OCTYL ADIPATE
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
*Kessler Chem Co
*Morton-Withers Chem Co
*Rubber Corp of America

ISOEUGENOL
*Aldrich Chem Co
Florasynth Labs
*Givaudan
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*Felton Chem Co *Rhodia, Inc
*Polak's Frutal Works *Shulton, Inc

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*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp

ISOHEXANE
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp *Andor Labs

ISOLEUCINE
Pfanstiehl Labs
*Kaplop Labs

ISONAPHTHOL see β-Naphthol

ISONICOTINIC ACID HYDRAZIDE
*Fallek Products Co
Gane & Ingram
Henley & Co
*Chas Pfizer & Co
*R S A Corp
George Uhe Co
*Biorganic Labs

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*American Mineral Spirits Co
Matheson Coleman & Bell
►Peerless Oil & Chem Corp
*Eastern States Petroleum & Chem Corp

ISOOCTENE
*Phillips Petroleum Co, Special Products Div

ISOOCTYL ACID PHOSPHATE
*Victor Chem Works
►*Virginia-Carolina Chem Corp

ISOOCTYL ACID PHOSPHITES
*Victor Chem Works

ISOOCTYL DECYL ADIPATE
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
*Morton-Withers Chem Co
►*Reichhold Chems, Inc
*Deecy Products Co *Thompson Chem Co
*Rubber Corp of America

ISOOCTYL DECYL PHTHALATE
Columbian Carbon Co
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
*Deecy Products Co *Thompson Chem Co
*Rubber Corp of America

ISOOCTYL-2,4-DICHLOROPHENOXYACETATE
*Diamond Alkali Co
*Thompson Chems Corp

ISOOCTYL ISODECYL PHTHALATE
►*Allied Chem Corp, Plastics & Coal Chems Div
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Rubber Corp of America *Thompson Chem Co

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*Kessler Chem Co
*Kolker Chem Corp
*Morton-Withers Chem Co
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*Rubber Corp of America *Thompson Chem Co

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*Halby Products Co

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*Diamond Alkali Co

ISOPENTANE (2-Methylbutane)
Matheson Coleman & Bell
*Phillips Petroleum Co, Special Products Div
*Cosden Petroleum Corp *United Fuel Gas Co

ISOPHORONE
►Aceto Chem Co
►Jones Chems, Inc
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
*Union Carbide Chems Co

ISOPRENE
►*Borden Chem Co
*Phillips Petroleum Co, Special Products Div

ISOPROPANOL see Alcohol, Isopropyl

ISOPROPANOLAMINE
*Dow Chem Co
►Peerless Oil & Chem Corp
*Union Carbide Chems Co

ISOPROPANOLAMINE SALT, 2,4-DI-CHLOROPHENOXYACETATE
*Thompson Chems Corp

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►*Borden Chem Co
*Eastern Chem Corp

ISOPROPENYL ACETYLENE
*Air Reduction Chem Co Div

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►American-British Chem Supplies
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R J Brown Co
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►*Eastman Chem Products
Howe & French Inc
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Scholle Chem Corp
J U Starkweather Co
Stoney-Mueller, Inc
*Union Carbide Chems Co

ISOPROPYLAMINE
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
*Union Carbide Chems Co

ISOPROPYLAMINE BORANE
*Winthrop Labs

p-ISOPROPYLANILINE see Cumidine

ISOPROPYLARTERENOL SALTS see Isoproterenol Hydrochloride

ISOPROPYL BENZENE see Cumene

ISOPROPYL BROMIDE
►*Aceto Chem Co
*Dow Chem Co

ISOPROPYLCARBINOL see Alcohol, Isobutyl

ISOPROPYL CHLORIDE
*Dow Chem Co

ISOPROPYL CHLOROFORMATE
*Columbia-Southern Chem Corp
*R S A Corp

ISOPROPYL-N-(3-CHLOROPHENYL)-CARBAMATE
*Columbia-Southern Chem Corp

ISOPROPYL-m-CRESOL see Thymol

ISOPROPYL-o-CRESOL see Carvacrol

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*Diamond Alkali Co
►*Monsanto Chem Co

ISOPROPYL DIETHYL MALONATE
►*Benzol Products Co

ISOPROPYLDIPHENYL
►*Monsanto Chem Co

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*Dow Chem Co
Fallek Products Co
Midland Tar Distillers
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*Fanning Chem Corp
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ISOPROPYL LAURATE
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*Kessler Chem Co
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ISOPROPYL MERCAPTAN
*K & K Labs
*Pennsalt Chems Corp

N'-ISOPROPYL-2-METHYL-1,2-PROPANEDIAMINE
*Aldrich Chem Co
►*Commercial Solvents Corp

ISOPROPYL MYRISTATE
►Aceto Chem Co
*Emulsol Chem Corp
*Givaudan
*Kessler Chem Co
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*Arnold, Hoffman & Co *Process Chem Co
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*Mathe Chem Co
*M W Parsons-Plymouth
Sole Chem Corp
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R W Greeff & Co
Henley & Co
*R S A Corp

ISOQUINOLINE
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*Koppers Co, Tar Products Div

ISOVALERALDEHYDE
*K & K Labs
*Edcan Labs

J

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►*Monsanto Chem Co
*Amchem Products *H V Hardman Co
*Atlas Mineral Products *Highside Chems
*Crowley Tar Products Co *Zophar Mills
*Benjamin Foster Co

K

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►Berkshire Chems Inc
*J M Huber Corp
*Mallinckrodt Chem Works
►*Minerals & Chem Corp of America
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Smith Chem & Color Co
Charles A Wagner Co
Whittaker, Clark & Daniels
*Illinois Minerals Co *Thomas Alabama Kaolin Co
*Industrial Minerals & Chem Co *R T Vanderbilt Co
*Southeastern Clay Co

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►*Allied Chem Corp, Solvay Process Div
*Antara Chem Div
*Atlas Powder Co, Chems Div
*Dow Chem Co
*Geigy Dyestuffs Div
►*Hooker Chem Corp
►*M Michel & Co
►*Nopco Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*L Sonneborn Sons
►*Tennessee Corp
*Union Carbide Chems Co
►*Western Mineral Products Div
*Jacques Wolf & Co
*Amalgamated Chem Corp *Mona Industries
*Bryant Chem Corp *Nyanza Color & Chem Co
*Burkart-Schier Chem Co *Scher Bros
*Colgate-Palmolive Co *Scholler Bros
*Continental Chem Co *Warwick Chem Co Div
*E F Houghton & Co *Wica Chem
*Metro-Atlantic, Inc

KYANITE see Cyanite

L

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*Scholle Chem Corp
*Sherwin-Williams Co
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*Acheson Colloids Co *Duralac Chem Corp
*Allied Finishing Specialties Co *Maas & Waldstein Co
*American Products Mfg Co *Monroe Sander Corp
*B B Chem Co *National Starch & Chem Corp
*Cellofilm Industries *Pennsylvania Color & Chem Co
*E I du Pont de Nemours & Co, Finishes Div *Pierce & Stevens Chem
*Raffi & Swanson

LACQUERS, ALCOHOL-RESISTANT
►*Metal & Thermit Corp
*National Chem & Plastics Co
*Sherwin-Williams Co
*Adhesive Products Corp *Interchem Corp, Finishes Div
*Allied Finishing Specialties Co *Lacquer Specialties
*American Products Mfg Co *Maas & Waldstein Co
*Armstrong Paint & Varnish Works *Monroe Sander Corp
*Chemical Coatings & Engrg Co *National Starch Products
*Chemical Products Corp (RI) *Pennsylvania Lacquer Center
*E I du Pont de Nemours & Co, Finishes Div *Pierce & Stevens Chem Corp
*Duralac Chem Corp *Pruett-Schaffer Chem
*R & A Leather Finish
*Raffi & Swanson
*H M Wocher & Son

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LACQUERS, HEAT-RESISTANT
►*Metal & Thermit Corp
*National Chem & Plastics Co
*Sherwin-Williams Co
*Union Carbide Corp, Silicones Div

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Lacquer Specialties
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Monroe Sander Corp
*Pennsylvania Lacquer Center
*Pierce & Stevens Chem Corp
*Raffi & Swanson
*Rubba, Inc
*H M Wocher & Son

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*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
*Pfanstiehl Labs
*Sheffield Chem Div

*Chemo Pure Mfg Corp

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LACTOSE
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Henley & Co
Chas L Huisking & Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Sheffield Chem Div
George Uhe Co
*Western Condensing Co

*Roselle Labs

LAKES see Color Lakes

LAMPBLACK (Germantown Black)
*Columbian Carbon Co
Harshaw Chem Co
Harwick Standard Chem Co
*Mineral Pigments Corp
►*Monsanto Chem Co
Smith Chem & Color Co
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels
C K Williams & Co

*Landers-Segal Color Co

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J H DeLamar & Son
*Fanning Chem Corp
R W Greeff & Co
*Hummel Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
S B Penick & Co
William E Phillips
Republic Chem Corp
RITA Chem Corp

*Bopf-Whittam Corp
*Lanaetex Products
*N I Malmstrom & Co
*Robinson Wagner Co

LANOLIN, ANHYDROUS
►* J T Baker Chem Co
*Croda, Inc
*Fanning Chem Corp
R W Greeff & Co
*Hummel Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
S B Penick & Co
RITA Chem Corp

*Bopf-Whittam Corp
*Lanaetex Products
*Malmstrom Chem Corp
*N I Malmstrom & Co
*Robinson Wagner Co

LANOSTEROL (Isocholesterol)
*Aldrich Chem Co
*Croda, Inc
McKesson & Robbins, Inc, Chem Dept
RITA Chem Corp

LANTHANUM CHLORIDE
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Var-Lac-Old Chem Co

*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

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►See catalog advertisement (Advertisers Index)

Manufacturers of
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Superfine Cosmetic Pharmaceutical
HARTOLAN
LANOLIN ALCOHOLS B.P.
POLAWAX
SELF EMULSIFYING WAX
ABSORPTION BASES
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►*American Potash & Chem Corp
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►Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Fairmount Chem Co
*General Cerium Corp
*Heavy Minerals Co
*New Process Metals
*Research Chem

LANTHANUM NITRATE

►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Maywood Chem Works
*Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

LANTHANUM OXIDE

►*American Potash & Chem Corp
►Berkshire Chems Inc
City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Maywood Chem Works
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

LARD, HYDROGENATED

*Archer-Daniels-Midland Co
*Glidden Co

LATEX, NATURAL, EVAPORATED

Stein, Hall & Co

*Firestone Synthetic Rubber & Latex Co
*Naugatuck Chem Div
*Rubba, Inc
*Rubber Corp of America

LATEX, NATURAL WATER DISPERSION

►*Monsanto Chem Co
*Morningstar-Paisley, Inc
Stein, Hall & Co

*B B Chem Co
*Dewey & Almy Chem Div
*General Latex & Chem Corp
*Major Chem & Latex Corp
*Rubba, Inc
*Textile Proofers

LATICES, ACRYLATE

►*Borden Chem Co
►*Colton Chem Co
*Morton Chem Co
►*Nopco Chem Co
►*Rohm & Haas Co

*Alco Oil & Chem Corp
*B B Chem Co
*Firestone Plastics Co
*General Latex & Chem Corp
*General Tire & Rubber Co
*B F Goodrich Chem Co
*National Starch & Chem Corp
*Polyvinyl Chems
*Rubba, Inc
*UBS Chem Corp
*Wica Chem

LATICES, BUTADIENE-ACRYLONITRILE

►*Borden Chem Co

*Firestone Plastics Co
*Firestone Synthetic Rubber & Latex Co
*General Latex & Chem Corp
*B F Goodrich Chem Co
*Goodyear Tire & Rubber Co, Chem Div
*Naugatuck Chem Div
*Wica Chems Inc

LATICES, BUTADIENE-STYRENE

►*Borden Chem Co
*Dow Chem Co

*Dewey & Almy Chem Div
*Firestone Plastics Co
*General Latex & Chem Corp
*General Tire & Rubber Co
*B F Goodrich Chem Co
*Goodrich-Gulf Chems, Inc
*Goodyear Tire & Rubber Co, Chem Div
*Koppers Co, Plastics Div
*Naugatuck Chem Div
*Shell Chem Corp
*Wica Chem

LATICES, POLYSTYRENE

*Dow Chem Co
*Morton Chem Co

*Koppers Co, Plastics Div
*Polyvinyl Chems
*Shanco Plastics & Chems
*UBS Chem Corp
*Wica Chems Inc

LATICES, VINYL ACETATE

*Alkydol Labs
►*Borden Chem Co
►*Colton Chem Co
Hostachem Corp
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
►*Nopco Chem Co
►*Reichhold Chems, Inc
*Stein, Hall & Co

*Adhesive Products Corp
*B B Chem Co
*Celanese Corp of America, Plastics Div
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Emkay Chem Co
*General Latex & Chem Corp
*Glidden Co
*Hart Products Corp
*National Starch & Chem Corp
*Pierce & Stevens Chem Co
*Polyvinyl Chems
*Rubba, Inc
*Scholler Bros
*Union Carbide Plastics Co
*Wica Chem

LATICES, VINYL CHLORIDE

*Dow Chem Co

*Adhesive Products Corp
*Firestone Plastics Co
*General Latex & Chem Corp
*B F Goodrich Chem Co
*Goodyear Tire & Rubber Co, Chems Div
*National Starch & Chem Corp
*Rubba, Inc
*Union Carbide Plastics Co
*Wica Chem

LATICES, VINYLIDENE CHLORIDE-ACRYLONITRILE

*Dow Chem Co

*Wica Chems Inc

LATICES, VINYL PYRIDINE

►*Borden Chem Co
►*Westvaco Chlor-Alkali Div

*Firestone Plastics Co
*General Tire & Rubber Co
*Naugatuck Chem Div
*Procter & Gamble Co

LAUNDRY CHEMICALS see Scouring Compounds, Solvents, Soaps, Sodas, etc.

LAUROYL CHLORIDE

►*Trubek Labs

LAUROYL PEROXIDE (Dodecanoyl Peroxide)

*Lucidol Div, Wallace & Tiernan Inc
McKesson & Robbins, Inc, Chem Dept
*Nuodex Products Co

*Cadet Chem Corp
*US Peroxygen Corp

LAURYL ACID PHOSPHATE

►*Hooker Chem Corp
*Victor Chem Works

LAURYL BROMIDE (n-Dodecyl Bromide)

►*Aceto Chem Co
*Dow Chem Co
►*Humphrey-Wilkinson
*Michigan Chem Corp

*Chemo Puro Mfg Corp

LAURYL CHLORIDE (n-Dodecyl Chloride)

►*Aceto Chem Co
►*Hooker Chem Corp
►*Humphrey-Wilkinson

*Naugatuck Chem Div

LAURYL MERCAPTAN—see also Dodecyl Mercaptan

►*Hooker Chem Corp
►*Humphrey-Wilkinson

*Naugatuck Chem Div

LAURYL METHACRYLATE

►*Borden Chem Co
►*Rohm & Haas Co

LAURYL PYRIDINIUM CHLORIDE

*Fallek Products Co
►*Hooker Chem Corp
Intex Chem Corp
Matheson Coleman & Bell

*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

LAURYL SULFATE
*Fallek Products Co
Intex Chem Corp
RITA Chem Corp
►*Onyx Oil & Chem Co
*Stepan Chem Co
*Jacques Wolf & Co
*Amalgamated Chem Corp
*Process Chem Co
*Procter & Gamble Co
*Surfact Co

LAYOR-CARANGA see Agar

LEAD ACETATE (Sugar of Lead, Goulard's Powder, Plumbous Acetate)
►Aceto Chem Co
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
*Chemical Mfg Co
*Dow Chem Co
*Filo Color & Chem Corp
Harshaw Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Mercer Chem Corp
*National Lead Co
*Sherwin-Williams Co

LEAD ACETATE, BASIC (Lead Acetate, Dibasic; Lead Subacetate)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept

LEAD ACETATE, DIBASIC see Lead Acetate, Basic

LEAD, ANTIMONIAL
*Belmont Smelting & Refining Works
*Goldsmith Bros Smelting & Refining Co
Indussa Corp
International Selling Corp
*Bunker Hill Co

LEAD ARSENATE (Plumbous Arsenate)
►*J T Baker Chem Co
International Commodities Corp
*Rona Labs
*Sherwin-Williams Co
*California Spray-Chem Co
*Chipman Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Los Angeles Chem Co

LEAD AZIDE
►Baird Chem Industries, Inc
*E I du Pont de Nemours & Co, Explosives Dept

LEAD BENZOATE
*City Chem Corp

LEAD, BLACK see Graphite

LEAD BORATE (Plumbous Borate, Lead Drier)
►*J T Baker Chem Co
*Shepherd Chem Co

LEAD BROMIDE
*City Chem Corp

LEAD CARBONATE (Plumbous Carbonate)
►*J T Baker Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*National Lead Co
*Eagle-Picher Co

LEAD CARBONATE, BASIC (Basic Carbonate, Ceruse, Lead Flake, Lead Subcarbonate, Cerussa)
►Baird Chem Industries, Inc
McKesson & Robbins, Inc, Chem Dept
*National Lead Co
Revelli Chems, Inc
*Rona Labs
*Eagle-Picher Co

LEAD CHLORIDE (Plumbous Chloride)
►*J T Baker Chem Co
*Fisher Scientific Co
*Jordan Co

LEAD CHROMATE (Leipzig Yellow, Chrome Yellow, Plumbous Chromate, Paris Yellow)
*American Cyanamid Co, Pigments Div
►*J T Baker Chem Co
Filo Color & Chem Corp
*Kentucky Color & Chem Co
*Mallinckrodt Chem Works
*Mineral Pigments Corp
►*Reichhold Chems, Inc
*Sherwin-Williams Co
*Eagle-Picher Co
*Imperial Color Chem & Paper Corp
*Tracerlab Inc
*Western Dry Color Co

LEAD DIOXIDE (Lead Peroxide; Lead Oxide, Brown; Puce; Lead Superoxide; Anhydrous Plumbic Acid)
►*J T Baker Chem Co
►Berkshire Chems Inc
*Fisher Scientific Co
Hummel Chem Co
*Mallinckrodt Chem Works
*Eagle-Picher Co

LEAD 2-ETHYLHEXOATE (Lead Octoate)
*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*National Lead Co
*Nuodex Products Co
*Shepherd Chem Co
*Chase Chem Corp
*Eagle-Picher Co
*Ferro Chem Corp
*Fred'k A Stresen-Reuter
*Troy Chem Co

LEAD FLAKE see Lead Carbonate, Basic

LEAD FLUOBORATE
►*Allied Chem Corp, General Chem Div

LEAD FLUORIDE (Plumbous Fluoride)
►*Allied Chem Corp, General Chem Div
City Chem Corp
*National Lead Co

LEAD IODATE
*City Chem Corp
Clearbrook Chem Co
*Andor Labs

LEAD IODIDE (Plumbous Iodide)
*City Chem Corp
Clearbrook Chem Co
*Mallinckrodt Chem Works
*Andor Labs

LEAD LACTATE
*City Chem Corp

LEAD LINOLEATE (Lead Plaster, Plumbous Linoleate)
*Harshaw Chem Co
International Selling Corp
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

LEAD, METAL
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
*Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co
Indussa Corp
*Mallinckrodt Chem Works
*American Smelting & Refining Co
*Bunker Hill Co
*St Joseph Lead Co

LEAD MOLYBDATE
*American Cyanamid Co, Pigments Div
►*J T Baker Chem Co
*City Chem Corp
*Kentucky Color & Chem Co
*Millmaster Chem Corp
*Mineral Pigments Corp
*Var-Lac-Oid Chem Co
*Imperial Color Chem & Paper Corp
*North Metal & Chem Co
*S W Shattuck Chem Co

*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

J.T.Baker CHEMICAL

LEAD ACETATE
Technical and N.F.

LEAD NITRATE
Technical

LEAD THIOCYANATE
Spec. JAN-L-65
Amendment 2

See page 62 for our complete listing

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LEAD MONOXIDE (Lead Oxide, Yellow; Litharge; Plumbous Oxide; Lead Protoxide)
►*J T Baker Chem Co
Kraft Chem Co
*Mallinckrodt Chem Works
*National Lead Co
Revelli Chems, Inc
*Bunker Hill Co
*California Spray-Chem Corp
*Eagle-Picher Co
*Evans Lead Corp

LEAD NAPHTHENATE
*Advance Solvents & Chem Div
►Barclay Chem Co
*Carlisle Chem Works
*Chemical Affiliates
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Oronite Chem Co
*Shepherd Chem Co
►*Witco Chem Co
*Andor Labs
*California Ink Co
*Chase Chem Corp
*Ferro Chem Corp
*Leffingwell Chem Co
*Mobil Oil Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

LEAD NITRATE (Plumbous Nitrate)
►Aceto Chem Co
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►Berkshire Chems Inc
*Carlisle Chem Works
Harshaw Chem Co
Hummel Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
*Andor Labs

LEAD OLEATE (Plumbous Oleate)
*Carlisle Chem Works
*Harshaw Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*Leffingwell Chem Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

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*City Chem Corp

LEAD OXIDE, BROWN see Lead Dioxide

LEAD OXIDE, RED (Red Lead, Minium, Plumbo-Plumbic Oxide)
►*J T Baker Chem Co
Kraft Chem Co
*Mallinckrodt Chem Works
*National Lead Co
Prior Chem Corp
Revelli Chems, Inc
*Bunker Hill Co
*Eagle-Picher Co
*Evans Lead Corp

LEAD OXIDE, YELLOW see Lead Monoxide

LEAD PEROXIDE see Lead Dioxide

LEAD PLASTER see Lead Linoleate

LEAD POWDER
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
*National Lead Co
*Metallic Lead Industrial Products, Inc
*Glidden Co

LEAD PROTOXIDE see Lead Monoxide

LEAD, RED see Lead Oxide, Red

LEAD RESINATE (Plumbous Resinate)
►Barclay Chem Co
*Harshaw Chem Co
*McGean Chem Co
Shepherd Chem Co
*Chase Chem Corp
*J Meyer & Sons
*Fred'k A Stresen-Reuter

LEAD SILICATE
*National Lead Co
*Eagle-Picher Co
*Evans Lead Corp

LEAD SILICATE, BASIC
*Eagle-Picher Co

LEAD-SODIUM FLUORIDE
*Evans Lead Corp

LEAD STANNATE
*City Chem Corp
►*Metal & Thermit Corp
►*Titanium Alloy Mfg Div

LEAD STEARATE
*Harshaw Chem Co
Harwick Standard Chem Co
*Mathe Chem Co
*National Lead Co
►*Nopco Chem Co
*Nuodex Products Co
Shepherd Chem Co
►*Witco Chem Co
*Leffingwell Chem Co

LEAD SUBACETATE see Lead Acetate, Basic

LEAD SUBCARBONATE see Lead Carbonate, Basic

LEAD, SUGAR OF see Lead Acetate

LEAD SULFATE (Lead Vitriol; Anglesite)
►*J T Baker Chem Co
*City Chem Corp
*Fisher Scientific Co
*Eagle-Picher Co

LEAD SULFATE, BASIC (Sublimed White Lead)
*National Lead Co
*Eagle-Picher Co

LEAD SUPEROXIDE see Lead Dioxide

LEAD TALLATE
*Advance Solvents & Chem Div
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Shepherd Chem Co
►*Witco Chem Co
*California Ink Co
*Chase Chem Corp
*Ferro Chem Corp
*Fred'k A Stresen-Reuter
*Troy Chem Co

LEAD TARTRATE
*City Chem Corp
*Edcan Labs

LEAD TETRAACETATE
*Arapahoe Chem
Millmaster Chem Corp
*G Frederick Smith Chem Co

LEAD THIOCYANATE
►*J T Baker Chem Co

LEAD THIOSULFATE
*City Chem Corp
*Kentucky Color & Chem Co

LEAD TITANATE
►*Titanium Alloy Mfg Div
*Glidden Co

LEAD TUNGSTATE (Lead Wolframate, Wolframate, Raspite, Stolzite, Plumbous Tungstate)
*City Chem Corp
*Var-Lac-Oid Chem Co
*North Metal & Chem Co

LEAD, VITRIOL see Lead Sulfate

LEAD WHITE see Lead Carbonate, Basic

LEAD, WHITE, SUBLIMED see Lead Sulfate, Basic

LEAD ZIRCONATE
►*Titanium Alloy Mfg Div

LEAF-GREEN see Chlorophyll

LEATHER GREASE see Degras

LEATHER, SHREDDED
*Composition Materials Co

LEATHER TREATING COMPOUNDS
►*Allied Chem Corp, Solvay Process Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Diamond Alkali Co
*Dow Chem Co
*Dow Corning Corp
*Esso Standard Oil Co
►*M Michel & Co
►*Nopco Chem Co
*Pennsylvania Industrial Chem Corp
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*L Sonneborn Sons
►*Sumner Chem Co Div
►*Sun Oil Co
►*Tennessee Corp
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
*Jacques Wolf & Co

►See catalog advertisement (Advertisers Index) *Company classifies itself as producer
See company directory for addresses

*Afta Solvents Corp
*Atlas Refinery Inc
*B B Chem Co
*Borne Chem Co
*Fiber Chem Corp
*Fiebing Chem Co
*Hadley Bros-Uhl Co
*Hagan Chem & Controls
*E F Houghton & Co
*Los Angeles Chem Co
*Minnesota Mining & Mfg Co, Chem Div
*Pyroxylin Products
*R & A Leather Finish
*Reilly-Whiteman-Walton
*Sandoz, Inc
*Arthur C Trask Co
*United States Gypsum Co
*Warwick Chem Co Div
*Wye Industries

LECITHIN (Monoamino-Monophosphatide)

►**Baird Chem Industries, Inc**
*W A Cleary Corp
Fallek Products Co
Pfaltz & Bauer, Inc
Pfanstiehl Labs
Republic Chem Corp
Welch, Holme & Clark Co
*American Lecithin Co
*A E Staley Mfg Co
*Fiber Chem Corp

LEMON CHROME see Barium Chromate

LEPIDOLITE

►***Foote Mineral Co**
*Fairmount Chem Co

LEUCINE (α-Amino-Isocaproic Acid)

*Pfanstiehl Labs
*Winthrop Labs
*Kaplop Labs
*A E Staley Mfg Co
*Tracerlab Inc

LEVARTERENOL BITARTRATE see l-Arterenol Bitartrate

LEVELING AGENTS, PAINT

*Antara Chems Div
*Dow Corning Corp
*Union Carbide Corp, Silicones Div
►***Witco Chem Co**
►***Wyandotte Chem Corp**
*Atlas Refinery Inc
*Hodag Chem Corp
*Jones-Dabney Co
*Minnesota Mining & Mfg Co, Chem Div
*Pilot California Co
*Raybo Chem Co
*Sandoz, Inc
*Troy Chem Co

LEVELING AGENTS, PAPER

*Antara Chem Div
*Ciba Co
*Finetex Inc
*Geigy Dyestuffs Div
*Maher Color & Chem Co
►***Nopco Chem Co**
►***Onyx Oil & Chem Co**
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Jacques Wolf & Co
►***Wyandotte Chem Corp**
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Bryant Chem Corp
*Hagan Chem & Controls
*Hodag Chem Corp
*Harry Miller Corp
*Pilot California Co
*Titan Chem Products
*Wica Chem

LEVELING AGENTS, TEXTILE

*Antara Chem Div
►***Armour Industrial Chem Co**
*Ciba Co
*Concord Chem Co
*Finetex Inc
*Geigy Dyestuffs Div
*Maher Color & Chem Co
►**M Michel & Co**
►***Nopco Chem Co**
►***Onyx Oil & Chem Co**
*L Sonneborn Sons
*Ultra Chem Works Div
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Jacques Wolf & Co
►***Wyandotte Chem Corp**
*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Arol Chem Products Co
*Atlas Refinery Inc
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Colgate-Palmolive Co
*Eastern Color & Chem Co
*Fabric Chem Co
*Hagan Chem & Controls
*Hart Products Corp
*Hodag Chem Corp
*E F Houghton & Co
*Joy Chem Co
*Marathon Corp
*Marlowe-Van Loan Corp
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*Pilot California Co
*Protean Chem Corp
*Sandoz, Inc
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem

LEVULOSE see Fructose

LEYDEN BLUE see Cobalt Blue

LIGNIN

*Lake States Yeast Div
*Consolidated Water Power & Paper Co
*Marathon Corp
*W Va Pulp & Paper Co, Polychems Div

LIGNIN, ALKALI

*Hagan Chem & Controls
*W Va Pulp & Paper Co, Polychems Div

LIGNIN SULFONATE

*Lake States Yeast Div
*Maher Color & Chem Co
*Consolidated Water Power & Paper Co
*Crown Zellerbach Corp
*Puget Sound Pulp & Timber Co
*Marathon Corp
*R T Vanderbilt Co
*W Va Pulp & Paper Co, Polychems Div

LIGNITE

*American Colloid Co
Charles A Wagner Co
*American Lignite Products
*United Fuel Gas Co
*Barold Div, National Lead Co

LIGNITE WAX see Wax, Montan

LIGROIN see Petroleum Benzine

LIME ACETATE see Calcium Acetate

LIME, AGRICULTURAL

Aluminium Limited Sales
McKesson & Robbins, Inc, Chem Dept
►***Minerals & Chem Corp of America**
*Mississippi Lime Co
►***National Gypsum Co**
*Austin White Lime Co
*Columbia Quarry Co
*Cutler-Magner Co
*Gibsonburg Lime Products Co
*Kaiser Chems Div
*Limestone Products Co
*Marblehead Lime Co
*H E Millard Lime & Stone Co
*Miller Products Co
*Moores Lime Co
*Ohio Lime Co
*Smith Lime Flour Co
*United States Gypsum
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Offices in Principal Cities

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*Company classifies itself as producer
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LIME, CHLORIDE OF see Chlorinated Lime

LIME, HYDRATED (Calcium Hydroxide, Calcium Hydrate, Slcked Lime)

Aluminium Limited Sales
*Chemical Mfg Co
Chemsol, Inc
Harshaw Chem Co
Inland Chem Corp
E & F King & Co
Kraft Chem Co
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Minerals & Chem Corp of America
*Mississippi Lime Co
►*National Gypsum Co
Opalco Lab
Thompson-Hayward Chem Co
Whittaker, Clark & Daniels

*Austin White Lime Co
*Columbia Quarry Co
*Cutler-Magner Co
*Gibsonburg Lime Products Co
*Kaiser Chems Div
*Limestone Products Co
*Marblehead Lime Co
*H E Millard Lime & Stone Co
*Moores Lime Co
*National Carbide Co
*Ohio Lime Co
*Smith Lime Flour Co
*Union Carbide Olefins Co
*United States Gypsum Co
*Warner Co
*West End Chem Co
*Williams Lime Mfg Co

LIME NITRATE see Calcium Nitrate

LIME PYROLIGNITE see Calcium Acetate

LIME, QUICK

Aluminium Limited Sales
►*J T Baker Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Minerals & Chem Corp of America
*Mississippi Lime Co
►*National Gypsum Co

*Austin White Lime Co
*Columbia Quarry Co
*Cutler-Magner Co
*Gibsonburg Lime Products Co
*Limestone Products Co
*Marblehead Lime Co
*H E Millard Lime & Stone Co
*Moores Lime Co
*Ohio Lime Co
*Smith Lime Flour Co
*Union Carbide Olefins Co
*United States Gypsum Co
*Warner Co
*West End Chem Co
*Williams Lime Mfg Co

LIME SALTPETER see Calcium Nitrate

LIME, SLAKED see Lime, Hydrated

LIME-SULFUR SOLUTION

*Dow Chem Co
Faesy & Besthoff
*Cabell Chem Co
*Chemical Formulators, Inc
*Los Angeles Chem Co
*Miller Products Co

LIMESTONE see Calcium Carbonate

LINALOOL

*Aldrich Chem Co
Florasynth Labs
*Givaudan
*George Lueders & Co
*Van Ameringen-Haebler Div
*Dodge & Olcott
*Fritzsche Bros
*Glidden Co
*Hoffmann-LaRoche
*Rhodia, Inc
*Schimmel & Co
*Shulton, Inc

LINALYL ACETATE

Florasynth Labs
*Givaudan
*George Lueders & Co
*Van Ameringen-Haebler Div
*Dodge & Olcott
*Fritzsche Bros
*Hoffmann-LaRoche
*Rhodia, Inc
*Schimmel & Co
*Shulton, Inc

LINALYL FORMATE

Florasynth Labs
*Givaudan
Van Ameringen-Haebler Div
*Dodge & Olcott
*Fritzsche Bros
*Hoffmann-LaRoche

LINALYL ISOBUTYRATE

Florasynth Labs
*Givaudan
Van Ameringen-Haebler Div
*Dodge & Olcott
*Fairmount Chem Co
*Fritzsche Bros
*Hoffmann-LaRoche

LINALYL PROPIONATE

Florasynth Labs
*Givaudan
Van Ameringen-Haebler Div
*Dodge & Olcott
*Fritzsche Bros
*Hoffmann-LaRoche

LINDANE

Conray Products Co
*Diamond Alkali Co
European Chem Co
*Fallek Products Co
Henley & Co
►*Hooker Chem Corp
International Selling Corp
S B Penick & Co
*Pennsalt Chems Corp
Robeco Chems
H P Rossiger & Co
►Stauffer Chem Co
Thompson-Hayward Chem Co
*Trio Chem Works
*Prentiss Drug & Chem Co
*Roselle Labs

LINNEN SEED see Oil, Linseed

LINSEED (Flax Seed)

Meer Corp
S B Penick & Co
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LINSEED, CAKE & MEAL

H J Baker & Bro
S B Penick & Co
*Archer-Daniels-Midland Co
*Spencer Kellogg & Sons

LINSEED OIL see Oil, Linseed

LIQUEFIED PETROLEUM GASES

*Godfrey L Cabot
*Esso Standard Oil Co
►*Monsanto Chem Co
*Phillips Petroleum Co, Special Products Div
*Union Carbide Olefins Co
*United Fuel Gas Co

LIQUID CAMPHOR see Oil, Camphor

LIQUID SCINTILLATION PHOSPHORS

*K & K Labs
*Pilot Chems, Inc

LITHARGE see Lead Monoxide

LITHIUM ACETATE

*City Chem Corp
*Maywood Chem Works

LITHIUM ALUMINATE

*Lithium Corp of America

LITHIUM ALUMINUM HYDRIDE

*Belmont Smelting & Refining Works
►*Metal Hydrides

LITHIUM AMIDE

Harshaw Chem Co
*Lithium Corp of America

LITHIUM BENZOATE

►*Foote Mineral Co
*Maywood Chem Works

LITHIUM BORATE

►*Foote Mineral Co
*Lithium Corp of America

LITHIUM BOROHYDRIDE

*Aldrich Chem Co
*K & K Labs
►*Metal Hydrides
*Callery Chem Co

LITHIUM BROMATE

*City Chem Corp

LITHIUM BROMIDE

►*American Potash & Chem Corp
*Dow Chem Co
►*Foote Mineral Co
*Lithium Corp of America
*Mallinckrodt Chem Works
*Maywood Chem Works
McKesson & Robbins, Inc, Chem Dept

LIME

HIGH CALCIUM
Quicklime and Hydrated Lime

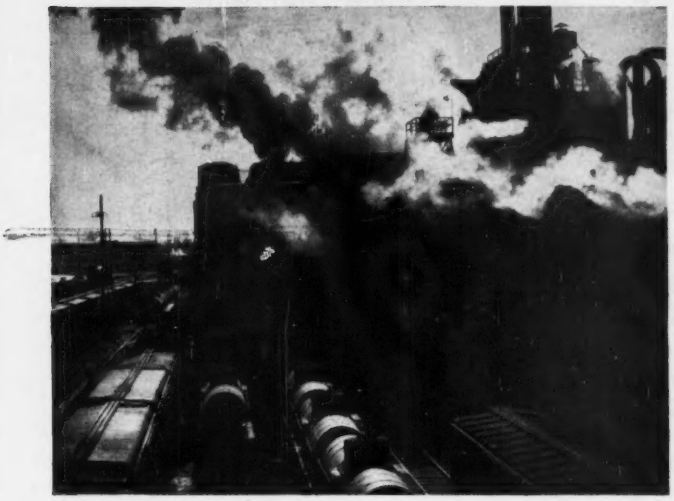
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ALTON, ILLINOIS
Phone 3-7741

*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)
See company directory for addresses

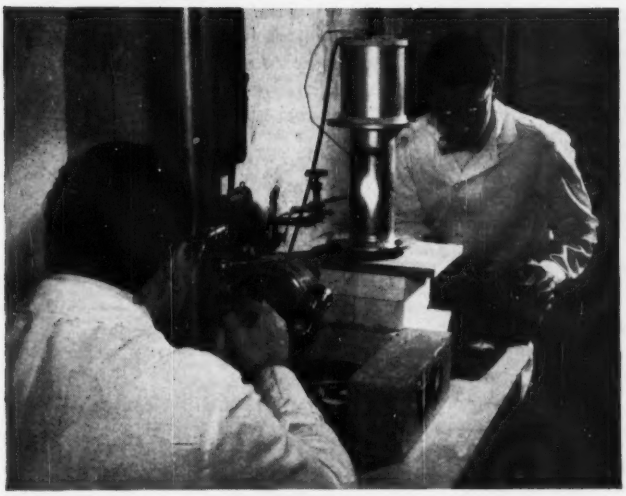


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Carbonate
Chloride
Fluoride
Bromide
Hydride
Stearate
Citrate
. . . and the
metal

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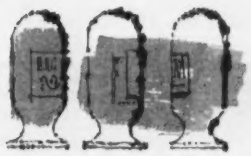


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Diphenyl
Nitrate
Oxide
Sulfite
Borate
Sulfate
Chromate
Molybdate

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►Baird Chem Industries, Inc
►*J T Baker Chem Co
►*Foote Mineral Co
Harshaw Chem Co
*Lithium Corp of America
*Mallinckrodt Chem Works
*Maywood Chem Works

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►*J T Baker Chem Co
*Fisher Scientific Co
►*Foote Mineral Co
Harshaw Chem Co
*Lithium Corp of America
*Mallinckrodt Chem Works
*Maywood Chem Works

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►*Foote Mineral Co

LITHIUM CITRATE
►*Foote Mineral Co
*Maywood Chem Works

LITHIUM COBALTITE
*Lithium Corp of America

LITHIUM DICHROMATE
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*City Chem Corp
►*Foote Mineral Co

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►*American Potash & Chem Corp
►*J T Baker Chem Co
►*Foote Mineral Co
*Kawecki Chem Co
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*Maywood Chem Works

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HYDRIDE
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MAYWOOD, NEW JERSEY
ESTABLISHED 1895

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Harshaw Chem Co
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►Baird Chem Industries, Inc
►*Foote Mineral Co
Harshaw Chem Co
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►*Nopco Chem Co
*M W Parsons-Plymouth

*Leffingwell Chem Co

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Clearbrook Chem Co
*R S A Corp

LITHIUM IODIDE
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Clearbrook Chem Co
►*Foote Mineral Co
*Gallard-Schlesinger Chem Mfg Corp
*R S A Corp

LITHIUM LACTATE
*City Chem Corp

*Hartman-Leddon Co

LITHIUM MANGANITE
*Lithium Corp of America

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►Baird Chem Industries, Inc
*Belmont Smelting & Refining Works
►*Foote Mineral Co
Harshaw Chem Co
Intra Continental Export Co
Kawecki Chem Co
*Lithium Corp of America
*Maywood Chem Works

*Bram Metal-Chem Co

LITHIUM MOLYBDATE
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*City Chem Corp
►*Foote Mineral Co
*Lithium Corp of America

*North Metal & Chem Co *S W Shattuck Chem Co

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*Shepherd Chem Co
►*Witco Chem Co

*Troy Chem Co

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►*J T Baker Chem Co
Davies Nitrate Co
►*Foote Mineral Co
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*Mallinckrodt Chem Works
*Maywood Chem Works

LITHIUM OXALATE
*Fine Organics
*Maywood Chem Works
*R S A Corp

*Hartman-Leddon Co

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*Carus Chem Co

LITHIUM RICINOLEATE
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*Troy Chem Co

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LITHIUM SILICATE
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LITHIUM STEARATE
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►*Foote Mineral Co
*Maywood Chem Works
Millmaster Chem Corp
►*Nopco Chem Co
*M W Parsons-Plymouth
Prior Chem Corp
*Shepherd Chem Co
►*Witco Chem Co

*Leffingwell Chem Co

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►*J T Baker Chem Co
*Lithium Corp of America
*Mallinckrodt Chem Works
*Maywood Chem Works

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*City Chem Corp

LITHIUM TARTRATE
*City Chem Corp

LITHIUM TETRABORATE
►*American Potash & Chem Corp
*City Chem Corp

LITHIUM THIOCYANATE
*City Chem Corp

LITHIUM TITANATE
*Lithium Corp of America

LITHIUM TUNGSTATE
*City Chem Corp

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*Lithium Corp of America

LITHIUM ZIRCONIUM SILICATE
*Lithium Corp of America

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►Barclay Chem Co
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M W Hardy & Co
*Sherwin-Williams Co
Smith Chem & Color Co
Tar Residuals

*Glidden Co

LITHOPONE, TITANATED
*Glidden Co

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*Armour Pharmaceutical Co

*Biorganic Labs *Rosselle Labs
*Marine Products Co *Wilson Labs

LIVER OF SULFUR see Potash, Sulfurated

LIVER ORE see Mercury Sulfide, Red

LOGWOOD
*New York Color & Chem Co

LUBRICANTS, CERAMIC MOLD
*American Oil & Supply Co
*Concord Chem Co
*Esso Standard Oil Co
*Maher Color & Chem Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

►*Nopco Chem Co
*Union Carbide Chems Co
►*Witco Chem Co
►*Wyandotte Chem Corp

*Acheson Colloids Co
*Chemical Development Corp
*DuBois Co
*Merix Chem Co
*Mona Industries
*National Aluminate Corp
*New York & New Jersey Lubricant Co
*Oakite Products
*Renite Co
*E W Smith Chem Co
*Swift & Co, General Soap Dept

LUBRICANTS, EXTREME PRESSURE

*American Oil & Supply Co
*Carlisle Chem Works
*Esso Standard Oil Co
►*M Michel & Co
►*Monsanto Chem Co
Petroleum Specialties
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Acheson Colloids Co
*Atlantic Refining Co
*Atlas Refinery Inc
*James V Bibbo Co
*Harry Miller Corp
*McGee Chem Co
*National Aluminate Corp
*New York & New Jersey Lubricant Co
*Oil-Kraft, Inc
*G Whitfield Richards
*Swift & Co, General Soap Dept
*United States Petrochem Co
*White & Bagley Co
*W A Wood Co
*Wye Industries

LUBRICANTS, GRAPHITE

*American Oil & Supply Co
►Barclay Chem Co
*Esso Standard Oil Co

*Acheson Colloids Co
*Atlantic Refining Co
*McGee Chems Co
*New York & New Jersey Lubricant Co
*Renite Co
*Rex Oil & Chem Co
*G Whitfield Richards
*E W Smith Chem Co
*United States Petrochem Co

LUBRICANTS, HALOCARBON

►*E I duPont de Nemours & Co, "Freon" Products Div
►*Hooker Chem Corp

*Acheson Colloids Co
*Halocarbon Products Corp
*Minnesota Mining & Mfg Co, Chem Div
*E F Houghton & Co
*G Whitfield Richards
*Swift & Co, General Soap Dept

LUBRICANTS, HIGH-TEMPERATURE

*Dow Corning Corp
*Emery Industries
*Morton-Withers Chem Co
►*Sun Oil Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
Var-Lac-Oid Chem Co

*Acheson Colloids Co
*Anderson Chem Co
*Deecy Products Co
*McGee Chem Co
*Minnesota Mining & Mfg Co, Chem Div
*Octagon Process, Inc
*Renite Co

LUBRICANTS, METAL WORKING

*American Oil & Supply Co
►*Armour Chem Div
►*Commercial Solvents Corp
*Emery Industries
*Esso Standard Oil Co
*General Elec Co, Silicone Products
►*Koppers Co, Chems & Dyestuffs Div
►*Nopco Chem Co
*Pennsalt Chems Corp
*L Sonneborn Sons
►*Sun Oil Co
*Joseph Turner & Co
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co

*Acheson Colloids Co
*American Grease Stick Co
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*Atlantic Refining Co
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*James V Bibbo Co
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*National Aluminate Corp
*Oakite Products
*Octagon Process, Inc
*Oil-Kraft, Inc
*Pennsylvania Refining Co
*Reilly-Whiteman-Walton Co
*Renite Co
*Rex Oil & Chem Co
*G Whitfield Richards
*Shell Oil Co
*Swift & Co, General Soap Dept
*United States Petrochem Co
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*W A Wood Co

LUBRICANTS, PLASTIC MOLD

►*Allied Chem Corp, Semet-Solvay Petrochem Div
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►*Armour Chem Div
*Atlas Powder Co, Chems Div
*Carlisle Chem Works
►*Commercial Solvents Corp
*Concord Chem Co
*Dow Chem Co
*Dow Corning Corp
*Emery Industries
*Esso Standard Oil Co
*Fine Organics
*General Elec Co, Silicone Products
Harwick Standard Chem Co
*Mallinckrodt Chem Works
*Mathe Chem Co
►*Nopco Chem Co
*Nuodex Products Co
*L Sonneborn Sons
►*Sun Oil Co
*Joseph Turner & Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
►*Wyandotte Chem Corp

*American Lignite Products
*Atlas Refinery Inc
*B B Chem Co
*Chemical Development Corp
*Colgate-Palmolive Co
*DuBois Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*McGee Chem Co
*Merix Chem Co
*Mona Industries
*National Aluminate Corp
*New York & New Jersey Lubricant Co
*Oakite Products
*E W Smith Chem Co
*Swift & Co, General Soap Dept
*Wye Industries

LUBRICANTS, POLYETHYLENE

►*Allied Chem Corp, Semet-Solvay Petrochem Div
►*Armour Industrial Chem Co
*Dow Chem Co
*Fine Organics
►*Koppers Co, Chems & Dyestuffs Div
►*Nopco Chem Co
*Joseph Turner & Co
*Union Carbide Chems Co
►*Witco Chem Co

*Merix Chem Co
*Renite Co

LUBRICANTS, RUBBER MOLD

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Americas Oil & Supply Co
*Antara Chem Div
►*Armour Industrial Chem Co
Atlas Powder Co, Chems Div
*Concord Chem Co
*Dow Corning Corp
*English Mica Co
*Esso Standard Oil Co
*General Elec Co, Silicone Products
*Harwick Standard Chem Co
*Mathe Chem Co
►*M Michel & Co
►*Nopco Chem Co
*Nuodex Products Co
*Olin Mathieson Chem Corp, Organic Chems
L A Salomon & Bro
*L Sonneborn Sons
►*Sun Oil Co
*Trio Chem Works
*Joseph Turner & Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
►*Wyandotte Chem Corp

*Acheson Colloids Co
*Adhesive Products Corp
*Amalgamated Chem Corp
*American Lignite Products
*B B Chem Co
*Beacon Chem Industries
*Chemical Development
*Colgate-Palmolive Co
*DuBois Co
*E I du Pont de Nemours & Co, Elastomer Chem Dept
*C P Hall Co
*Merix Chem Co
*Mona Industries
*New York & New Jersey Lubricant Co
*Oakite Products
*Procter & Gamble Co
*Renite Co
*Rex Oil & Chem Co
*Rubba, Inc
*Swift & Co, General Soap Dept

*Company classifies itself as producer
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Harwick Standard Chem Co
*Union Carbide Corp, Silicones Div

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*Anderson Chem Co
*Aries Labs
*Chemical Development Corp
*Octagon Process, Inc

LUBRICANTS, SYNTHETIC WAX

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*Concord Chem Co
*Dow Chem Co
*Kessler Chem Co
►*M Michel & Co
►*Nopco Chem Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*American Lignite Products
*Atlas Refinery Inc
*Diversey Corp
*Halocarbon Products Corp
*Joy Chem Co
*Merix Chem Co
*Octagon Process, Inc
*Renite Co
*Frank B Ross Co
*Wica Chems Inc
*Zophar Mills

LUBRICANTS, WOOL

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*Atlas Powder Co, Chems Div
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*Emery Industries
*Esso Standard Oil Co
*Maher Color & Chem Co
►*Nopco Chem Co
*Olin Mathieson Chem Corp, Organic Chems
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*Continental Chem Co
*Emkay Chem Co
*E F Houghton & Co
*Joy Chem Co
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*Harry Miller Corp
*Mona Industries
*New York & New Jersey Lubricant Co
*Procter & Gamble Co
*Reilly-Whiteman-Walton Co
*Scholler Bros
*Titan Chem Products
*Wica Chem
*W A Wood Co

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LUNAR CAUSTIC see Silver Nitrate

LUNAR CORNEA see Silver Chloride

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►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

LUTETIUM SALTS

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City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co
*Fairmount Chem Co
*Heavy Minerals Co
*Research Chem

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►*Allied Chem Corp, Plastics & Coal Chems Div
*Reilly Tar & Chem Corp

*Koppers Co, Tar Products Div

2,6-LUTIDINE (Dimethyl Pyridine)

Midland Tar Distillers
*Reilly Tar & Chem Corp

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Tar Residuals

*Crowley Tar Products Corp
*Koppers Co, Tar Products Div

2,6-LUTIDINE-N-OXIDE

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Midland Tar Distillers
*Reilly Tar & Chem Corp

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Chas L Hulsking & Co
►*Westvaco Chlor-Alkali Div

*Prentiss Drug & Chem Co

LYE see Soda, Caustic and Potash, Caustic

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*Fallek Products Co
►*Merck Chem Div
Pfanstiehl Labs
*Chas Pfizer & Co

*E I du Pont de Nemours & Co, Electrochem Dept
*Kaplop Labs

dl-LYSINE DIHYDROCHLORIDE

*Central Research Labs
►*Merck Chem Div
*Pfanstiehl Labs

*Kaplop Labs

dl-LYSINE MONOHYDROCHLORIDE

*Central Research Labs
►*Merck Chem Div

*Kaplop Labs
*Tracerlab Inc

l-LYSINE MONOHYDROCHLORIDE

*Aldrich Chem Co
*Central Research Labs
*Dow Chem Co
*Fallek Products Co
►*Merck Chem Div
*Chas Pfizer & Co
George Uhe Co

*E I du Pont de Nemours & Co, Electrochem Dept

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

M

MAGISTERY OF BISMUTH see **Bismuth Subnitrate**

MAGNESIA see **Magnesium Oxide**

MAGNESIA ALBA see **Magnesium Carbonate**

MAGNESITE
►Berkshire Chems Inc
Harwick Standard Chem Co
*Michigan Chem Corp
Smith Chem & Color Co
*Philip Carey Mfg Co
*Kaiser Chems Div
*Golwynne Chem Corp
*Western Chem & Mfg Co
*Industrial Minerals & Chem Co

MAGNESIUM ACETATE
►Aceto Chem Co
►*J T Baker Chem Co
*Filo Color & Chem Corp
*Mallinckrodt Chem Works
*Shepherd Chem Co
*Chemo Puro Mfg Corp

MAGNESIUM ALUMINUM SILICATE
►*Titanium Alloy Mfg Div
*R T Vanderbilt Co

MAGNESIUM p-AMINOBENZOATE
*B L Lemke & Co

MAGNESIUM AMMONIUM NITRATE
*City Chem Corp

MAGNESIUM BROMIDE
McKesson & Robbins, Inc, Chem Dept

MAGNESIUM CALCIUM CHLORIDE see **Calcium Magnesium Chloride**

MAGNESIUM CARBONATE (Magnesia Alba, Magnesia Alba Levis)
►* J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
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Product No.	1001	7001	4001-4002	8001	2001	3001
Bulk Density weight per cu. ft.	Powder 9 lbs. Granular 5 lbs.	20 lbs.	20-26 lbs.	40 lbs.	9 lbs.	13 lbs.
Ignition loss	5.0%	6.0%	4.0%	4.0%	57.16%	
ANALYSIS: IGNITED BASIS						
SiO_2	0.04%	0.4%	0.7%	2.4%	0.11%	0.03%
Fe_2O_3	0.03%	0.2%	0.4%	0.07%	0.02%	0.02%
AL_2O_3	0.11%	0.1%	0.1%	0.04%	0.03%	0.06%
CaO	1.36%	1.3%	1.4%	0.49%	0.30%	0.94%
SCREEN TEST						
thru 200 mesh	100%	100%	93% or		100%	100%
thru 325 mesh	99.9%	99.5%	99%	99%	99.9%	99.9%

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McGean Chem Co
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►*Merck Chem Div
*Michigan Chem Corp
*Morton Chem Co
NYQ Chem Div, S B Penick & Co
L A Salomon & Bro
Smith Chem & Color Co
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels

*Philip Carey Mfg Co
*Ohio Lime Co
*Merck & Co, Marine Magnesium Div

MAGNESIUM CHIPS & TURNINGS
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MAGNESIUM CHLORATE
*City Chem Corp

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►Berkshire Chems Inc
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Harshaw Chem Co
Howe & French Inc
*Mallinckrodt Chem Works
Merchants Chem Co

*Carborundum Metals Co

MAGNESIUM CHROMATE
*City Chem Corp

*Fiber Chem Corp

MAGNESIUM DICHROMATE
►*Allied Chem Corp, Solvay Process Div

*Fiber Chem Corp

MAGNESIUM DIOXIDE see Magnesium Peroxide

MAGNESIUM FLUORIDE
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►Berkshire Chems Inc
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Gallard-Schlesinger Chem Mfg Corp
*NYQ Chem Div, S B Penick & Co
Roussel Corp

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MAGNESIUM HYDRATE see Magnesium Hydroxide

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►* J T Baker Chem Co
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Darlington Chems
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
*Michigan Chem Corp
*NYQ Chem Div, S B Penick & Co
Whittaker, Clark & Daniels

*Merck & Co, Marine Magnesium Div
*Kaiser Chems Div

MAGNESIUM HYPOPHOSPHITE
*NYQ Chem Div, S B Penick & Co
Pfaltz & Bauer, Inc

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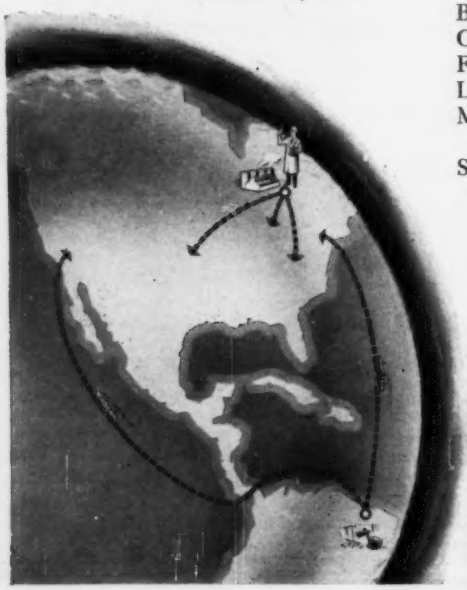
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*Company classifies itself as producer
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*Darlington Chems
*Dow Chem Co
Harshaw Chem Co
Harwick Standard Chem Co
Hummel Chem Co
*International Minerals & Chem Corp, Potash Div
Kraft Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
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Morton Chem Co
*NYQ Chem Div, S B Penick & Co
Smith Chemical & Color Co
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Whittaker, Clark & Daniels
*Bio-Rad Labs
*Philip Carey Mfg Co
*General Elec Co, Chem Materials Dept
*General Metallic Oxides Co
*Golwynne Chem Corp
*Kaiser Chems Div
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*National Polychems

MAGNESIUM PERCHLORATE
*G Frederick Smith Chem Co

MAGNESIUM PERHYDROL see Magnesium Peroxide

MAGNESIUM PERMANGANATE
*Carus Chem Co

MAGNESIUM PEROXIDE (Magnesium Perhydrol, Magnesium Dioxide, Magnesium Superoxide)
►*Becco Chem Div
McGean Chem Co

MAGNESIUM PHOSPHATE, DIBASIC
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MAGNESIUM PHOSPHATE, MONOBASIC
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MAGNESIUM PHOSPHATE, TRIBASIC (Trimagnesium Phosphate, Neutral Magnesium Phosphate)
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►*Merck Chem Div
*Joseph Turner & Co
*Victor Chem Works

MAGNESIUM POWDER
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*Dow Chem Co
*Hummel Chem Co
*Golwynne Chems Corp
*Reade Mfg Co
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*Baker Castor Oil Co

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*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co

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►Berkshire Chems Inc
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*Harshaw Chem Co
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*Mallinckrodt Chem Works
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Millmaster Chem Corp
►*Nopco Chem Co
*Nuodex Products Co
*M W Parsons-Plymouth
Prior Chem Corp
Shepherd Chem Co
*Joseph Turner & Co
Whittaker, Clark & Daniels
►*Witco Chem Co
*Beacon Chem Industries
*Leffingwell Chem Co

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►Berkshire Chems Inc
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Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
International Commodities Corp
►Jones Chems, Inc
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Republic Chem Co
E M Sergeant Pulp & Chem Co
Irving M Sobin Chem Co
Tar Residuals
Thompson-Hayward Chem Co
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Wollen Chem & Supply Co
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MAGNESIUM SULFATE, CALCINED
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*Dow Chem Co

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MAGNESIUM TITANATE
►*Titanium Alloy Mfg Div

MAGNESIUM TRISILICATE
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►* J T Baker Chem Co
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
Whittaker, Clark & Daniels

*Merck & Co, Marine Magnesium Div

MAGNESIUM ZIRCONATE
►*Titanium Alloy Mfg Div

MAGNESIUM ZIRCONIUM SILICATE
►*Titanium Alloy Mfg Div

MALACHITE, ARTIFICIAL see Copper Carbonate

MALATHION
►*American Potash & Chem Corp
►Baird Chem Corp
Intra Continental Export Corp
S B Penick & Co
Thompson-Hayward Chem Co

*Chipman Chem Co *Prentiss Drug & Chem Co

MALAYAN CAMPHOR see Borneol

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►*American Cyanamid Co, Industrial Chem Div
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►Barclay Chem Co
Bergstrom Trading Co
M W Hardy & Co
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*Oronite Chem Co
*Pittsburgh Coke & Chem Co
Prior Chem Corp
►*Reichhold Chems, Inc

*American Cyanamid Co, Plastics & Resins Div

MALEIC HYDRAZIDE
*Naugatuck Chem Div

MALONALDEHYDE
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MALONAMIDE
►*Kay-Fries Chems

MALONIC METHYL ESTER NITRILE see Methyl Cyanoacetate

MALONIC MONONITRILE see Acid, Cyanoacetic

MALONONITRILE (Methylene Dicyanide)
*Aldrich Chem Co
*Eastman Organic Chems
Fisher Chem Co
►*Kay-Fries Chems
*R S A Corp
*Winthrop Labs

*Gamma Chem Corp *Polychemical Labs

MALONYL UREA see Acid, Barbituric

MALTOSE (Maltsugar, Glucose-α-Glucoside)
*Eastern Chem Corp
*Pfanstiehl Labs

MANGANESE ACETATE (Manganous Acetate)
*Filo Color & Chem Corp
*Fisher Scientific Co
*Harshaw Chem Co
*Matheson Coleman & Bell
*McGean Chem Co
*Shepherd Chem Co

*Manganese Chem Corp

MANGANESE AMMONIUM SULFATE
►Baird Chem Industries, Inc
*City Chem Corp

MANGANESE BINOXIDE see Manganese Dioxide

MANGANESE BORATE (Manganous Borate)
*McGean Chem Co
Shepherd Chem Co

*General Metallic Oxides Co *J Meyer & Sons

MANGANESE BROMIDE (Manganous Bromide)
*Eastern Chem Corp

MANGANESE CARBONATE (Manganese White, Dialozite)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
Shepherd Chem Co

*General Metallic Oxides Co *Manganese Chem Corp
*J Meyer & Sons

MANGANESE CHLORIDE (ic) (Manganese Trichloride)
Harshaw Chem Co

*Manganese Chem Corp

MANGANESE CHLORIDE (ous)
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►*J T Baker Chem Co
Fisher Chem Co
*Fisher Scientific Co
Harshaw Chem Co
Indussa Corp
*Mallinckrodt Chem Works
Shepherd Chem Co

*Gamma Chem Corp *Manganese Chem Corp
*General Metallic Oxides

MANGANESE CHROMATE (Manganous Chromate)
*City Chem Corp

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►* J T Baker Chem Co
Charles B Chrystal Co
*Fisher Scientific Co
Hummel Chem Co
Indussa Corp
Kraft Chem Co
*E J Lavino & Co
*Mallinckrodt Chem Works
*Shepherd Chem Co

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*General Metallic Oxides
*Manganese Chem Corp

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*Nuodex Products Co
*Shepherd Chem Co

*Chase Chem Corp *Fred'k A Stresen-Reuter
*Ferro Chem Corp *Troy Chem Co
*General Metallic Oxides Co

MANGANESE FLUORIDE (ic) (Manganese Trifluoride)
►*Allied Chem Corp, General Chem Div

MANGANESE FLUORIDE (OUS)
*City Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

MANGANESE FORMATE

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Gallard-Schlesinger Chem Mfg Corp
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*Harshaw Chem Co
*E J Lavino & Co
*General Metallic Oxides Co

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*NYQ Chem Div, S B Penick & Co

MANGANESE LINOLEATE
*Harshaw Chem Co
*Hilton-Davis Chem Co Div
*McGean Chem Co
*Shepherd Chem Co
*Chase Chem Corp
*Fred'k A Stresen-Reuter
*Troy Chem Co

MANGANESE, METAL
►Baird Chem Industries, Inc
*Belmont Smelting & Refining Works
Chemical Commerce
►*Foote Mineral Co
*Hummel Chem Co
*Bram Metal-Chem Co
*General Metallic Oxides
*Manganese Chem Corp
*Metals & Controls Corp
*National-U S Radiator Corp
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MANGANESE NAPHTHENATE
*Advance Solvents & Chem Div
*Chemical Affiliates
*Harshaw Chem Co
*McGean Chem Co
*Nuodex Products Co
*Oronite Chem Co
*Shepherd Chem Co
►*Witco Chem Co
*Chase Chem Corp
*Crucible Steel Co
*Ferro Chem Corp
*Leffingwell Chem Co
*Fred'k A Stresen-Reuter
*Troy Chem Co

MANGANESE NITRATE (Manganous Nitrate)
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Fisher Scientific Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*Manganese Chem Corp

MANGANESE OLEATE
*Shepherd Chem Co
*Troy Chem Co

MANGANESE OXIDE (ous) Manganese Protoxide)
►Baird Chem Industries, Inc
Bonewitz Chem
►*Foote Mineral Co
Harshaw Chem Co
*E J Lavino & Co
*Shepherd Chem Co
►*Tennessee Corp
*Manganese Chem Corp

MANGANESE OXIDE (ous-ic)
*City Chem Corp
►*Foote Mineral Co
Harshaw Chem Co
*Shepherd Chem Co
*General Metallic Oxides
*Manganese Chem Corp Co

MANGANESE PERCHLORATE
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*General Metallic Oxides Co

MANGANESE PEROXIDE see Manganese Dioxide

MANGANESE PROTOXIDE see Manganese Oxide (ous)

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*McGean Chem Co
Shepherd Chem Co
*J Meyer & Sons
*Fred'k A Stresen-Reuter
*Troy Chem Co

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Millmaster Chem Corp
Prior Chem Corp
Shepherd Chem Co
►*Witco Chem Co

MANGANESE SULFATE (Manganous Sulfate)
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Bonewitz Chem
Browning Chem Corp
*Carus Chem Co
*City Chem Corp
►*Eastman Chem Products
*Fisher Scientific Co
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Tennessee Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*General Metallic Oxides Co
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MANGANESE WHITE see Manganese Carbonate

MANILA ELEMI see Gum, Elemi

MANIOC ROOT see Tapioca Flour

MANNIDES see Mannitol Esters

MANNITANS see Mannitol Esters

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►*J T Baker Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Pfanstiehl Labs
*B L Lemke & Co

MANNITOL BORATE
*Atlas Powder Co, Chems Div

MANNITOL ESTERS (Mannides, Mannitans, etc.)
*Atlas Powder Co, Chems Div

MANNITOL HEXANITRATE (Hexanitromannite, HNM)
*Atlas Powder Co, Chems Div
Midland Tar Distillers
*B L Lemke & Co

MARBLE DUST see Calcium Carbonate

MARBLE FLOUR
Smith Chem & Color Co
*Industrial Minerals & Chem Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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MARSH GAS see Methane

MASSICOT see Lead Monoxide

MASTICHE see Gum, Mastic

MASTIX see Gum, Mastic

MEADOW GREEN see Copper Acetoarsenite

MEAT SALT see Ammonium Fluoride

MECCA GALLS see Nutgalls

MELAMINE

►Baird Chem Industries, Inc
►*Monsanto Chem Co

*American Cyanamid Co, Plastics & Resins Div

MELANILINE see Diphenyl Guanidine

MENADIONE (Menaphthone; Vitamin K_3)

*Eastern Chem Corp
*Gane's Chem Works
*Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
►*U S Industrial Chem Co Div
Vitamins, Inc

*Abbott Labs
*Arenol Chem Corp
*Biorganic Labs
*Freeman Industries
*Roselle Labs

MENAPHTHONE see Menadione

MENTHOL, NATURAL

American Mineral Spirits Co
►Baird Chem Industries, Inc
Dura Commodities Corp
Florasynth Labs
Chas L Huisking & Co
International Commodities Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
S B Penick & Co
Robeco Chems
George Uhe Co

*Prentiss Drug & Chem Co
*Schimmel & Co

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Florasynth Labs
*Givaudan
R W Greeff & Co
S B Penick & Co
Solvents & Chems Group

*Glidden Co
*Polak's Frutal Works
*Schimmel & Co
*Shulton, Inc

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R W Greeff & Co
S B Penick & Co

*Fritzsche Bros

MENTHYL SALICYLATE (Samol, Salimenthol)

Florasynth Labs
R W Greeff & Co

MENTHYL VALERATE

*R S A Corp

*Fairmount Chem Co

MEPHOBARBITAL

*Gane's Chem Works
R W Greeff & Co
George Uhe Co

MERBROMIN

*Fallek Products Co
*NYQ Chem Div, S B Penick & Co
Roussel Corp

*Biorganic Labs

MERCAPTANS

*Amoco Chem Corp
►Baird Chem Industries, Inc
►*Evans Chemetics
►*Humphrey-Wilkinson
►*Monsanto Chem Co
*Oronite Chem Co
*Pennsalt Chems Corp
*Phillips Petroleum Co, Special Products Div
Wallach-Gracer Export Corp

*Atlantic Refining Co
*Cosden Petroleum Corp
*Kaplop Labs
*Natural Gas Odorizing
*Naugatuck Chem Div
*Phillips Chem Co
*Wateree Chem Co

2-MERCAPTOBENZIMIDAZOLE

*Aldrich Chem Co
*Eastern Chem Corp
►*Kay-Fries Chems

MERCAPTOBENZOTHIAZOLE

*American Cyanamid Co, Organic Chem Div
►*Monsanto Chem Co

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Naugatuck Chem Div
*Reade Mfg Co

2-MERCAPTOETHANOL

*Union Carbide Chems Co

*Trylon Chems

β-MERCAPTOETHYLAMINE HYDROCHLORIDE

►*Evans Chemetics
*K & K Labs

*Edcan Labs

2-MERCAPTOTHIAZOLINE

►*American Cyanamid Co, Industrial Chem Div
*Winthrop Labs

*E I du Pont de Nemours, Elastomer Chems Dept

MERCERIZING ASSISTANTS

*Dow Chem Co
►*Hooker Chem Corp
►M Michel & Co
►Peerless Oil & Chem Corp
*L Sonneborn Sons
*Union Carbide Chems Co
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Colgate-Palmolive Co
*Eastern Color & Chem
*Mona Industries
*Warwick Chem Co Div

MERCURIAL OINTMENT

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*F W Berk & Co

MERCUROPHYLLINE

*Fine Organics

MERCURY (Liquid Silver, Quicksilver, Hydrargyrum)

►*J T Baker Chem Co
*Belmont Smelting & Refining Works
Chemical Mfg Co
J H DeLamar & Son
*Goldsmith Bros Smelting & Refining Co
M W Hardy & Co
Howe & French Inc
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Mercer Chem Corp
*Metalsalts Corp
Republic Chem Corp

*F W Berk & Co
*Bram Metal-Chem Co
*Central Scientific Co
*Quicksilver Products

MERCURY ACETATE (ic)

►*J T Baker Chem Co
*Mallinckrodt Chem Works
*Metalsalts Corp
George Uhe Co

*F W Berk & Co

MERCURY ACETATE (ous)

*Metalsalts Corp

MERCURY, AMMONIATED (Ammoniated Mercury Chloride, White Precipitate, Amido-Mercuric Chloride)

*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*NYQ Chem Div, S B Penick & Co
*Rhodia, Inc
Robeco Chems

*F W Berk & Co

MERCURY BICHLORIDE see Mercury Chloride (ic)

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

MERCURY BINIODIDE see Mercury Iodide (ic)

MERCURY BISULFATE see Mercury Sulfate (ic)

MERCURY BLEND see Mercury Sulfide, Red

MERCURY BROMATE (ic)
*Mallinckrodt Chem Works
*Metalsalts Corp

MERCURY CHLORIDE (ic) (Corrosive Sublimate, Mercury Bichloride, Mercury Chloride, Mercury Protochloride)
►Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
►Barclay Chem Co
*W A Cleary Corp
European Chem Co
Gallard-Schlesinger Chem Mfg Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
Reveill Chems, Inc
George Uhe Co
*F W Berk & Co

MERCURY CHLORIDE, AMMONIATED see Mercury, Ammoniated

MERCURY CHLORIDE, MILD see Mercury Chloride (ous)

MERCURY CHLORIDE (ous) (Calomel, Mercury Monochloride, Mild Mercury Chloride)
►*J T Baker Chem Co
►Barclay Chem Co
European Chem Co
Gallard-Schlesinger Chem Mfg Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
Reveill Chems, Inc
George Uhe Co
*F W Berk & Co *Precision Chem Corp

MERCURY CYANIDE (ic)
►*J T Baker Chem Co
J H DeLamar & Son
*Mallinckrodt Chem Works
*Metalsalts Corp
*F W Berk & Co *Precision Chem Corp

MERCURY FLUORIDE (ic)
►*Allied Chem Corp, General Chem Div
*City Chem Corp

MERCURY IODIDE (ic) (Mercury Biniodide)
►*J T Baker Chem Co
Clearbrook Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Metalsalts Corp
*N Y Q Chem Div, S B Penick & Co
*Chas Pfizer & Co
*F W Berk & Co

MERCURY IODIDE (ous) (Green Mercury Protoiodide)
*Metalsalts Corp

MERCURY LACTATE (ic)
*City Chem Corp
*Metalsalts Corp

MERCURY NAPHTHENATE
*Advance Solvents & Chem Div
*W A Cleary Corp
*Metalsalts Corp
*Nuodex Products Co
*Troy Chem Co

MERCURY NITRATE (ic) (Mercury) Pernitrate)
►*J T Baker Chem Co
*City Chem Corp
*W A Cleary Corp
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Metalsalts Corp

MERCURY OXALATE (ic)
*City Chem Corp
*Metalsalts Corp

MERCURY OXIDE (ic), RED (Mercury Red Precipitate, Red Precipitate)
►*J T Baker Chem Co
J H DeLamar & Son
European Chem Co
Industrial Chem & Dye Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*Chas Pfizer & Co
Reveill Chems, Inc
George Uhe Co
*F W Berk & Co *Precision Chem Corp

MERCURY OXIDE (ic), YELLOW (Yellow Precipitate)
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J H DeLamar & Son
European Chem Co
Industrial Chem & Dye Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*Nuodex Products Co
*Chas Pfizer & Co
Reveill Chems, Inc
George Uhe Co
*F W Berk & Co *Troy Chem Co
*Precision Chem Corp

MERCURY OXIDE (ous) (Mercury Oxide Black)
*City Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Metalsalts Corp
*Chas Pfizer & Co
Reveill Chems, Inc

MERCURY PERCHLORATE
*Mallinckrodt Chem Works
*G Frederick Smith Chem Co

MERCURY PERNITRATE see Mercury Nitrate (ic)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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*Metalsalts Corp

*F W Berk & Co

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*Glidden Co

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*Eastern Chem Corp
*Eastman Organic Chems
*K & K Labs

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Stoney-Mueller, Inc
*Union Carbide Chems Co

*Shell Chem Corp

MESOXALYLUREA see Alloxan

METACETALDEHYDE see Metaldehyde

METALDEHYDE (Metacetaldehyde)

►Aceto Chem Co
►*Commercial Solvents Corp

METAL-HARDENING CHEMICALS

►*Allied Chem Corp, Solvay Process Div
►*Armour Industrial Chem Co
McKesson & Robbins, Inc, Chem Dept
Wallach-Gracer Export Corp

*Bram Metal-Chem Co *E F Houghton & Co
*E I du Pont de Nemours & Co, Electrochem Dept *L Carleton Mertz Co

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*Belmont Smelting & Refining Works
*Goldsmith Bros Smelting & Refining Co
*National Lead Co

*American Smelting & Refining Co *Fusion Engineering
*Indium Corp of America

METALS, PASTE

*Belmont Smelting & Refining Works

*Claremont Pigment Dispersion Corp *E I du Pont de Nemours & Co, Electrochem Dept
*Fusion Engineering

METALS, POWDER

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*Belmont Smelting & Refining Works
Chemical Commerce City Chem Corp
►*Foote Mineral Co
*Goldsmith Bros Smelting & Refining Co
*Hummel Chem Co
►*Metal Hydrides
*National Lead Co
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co *Gold Leaf & Metallic Powders
*Claremont Pigment Dispersion Corp *Golwynne Chems Corp
*E I du Pont de Nemours & Co, Electrochem Dept *Indium Corp of America
*Metals & Controls Corp
*Fusion Engineering *New Jersey Zinc Co
*Glidden Co *Rufert Chem Co
*J A Samuel & Co

METALS, WHITE CASTING

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*Goldsmith Bros Smelting & Refining Co
*National Lead Co

*American Smelting & Refining Co *New Jersey Zinc Co

METHACHOLINE CHLORIDE see Acetyl-β-Methylcholine Chloride

METHACROLEIN

*Union Carbide Chems Co

METHACRYLATO CHROMIC CHLORIDE

*E I du Pont de Nemours & Co, Grasselli Chem

METHACRYLIC ANHYDRIDE

►*Borden Chem Co

METHALLYL COMPOUNDS see Methyl Allyl compounds

METHANE (Marsh Gas, Methylhydride)

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Millmaster Chem Corp
*Phillips Petroleum Co, Special Products Div

*Union Carbide Olefins Co

METHANAL see Formaldehyde

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*Eastern Chem Corp
*Eastman Organic Chems
►*Stauffer Chem Co

METHANOL see Alcohol, Methyl

METHAPYRILENE FUMARATE

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►*Monsanto Chem Co
*R S A Corp

*Abbott Labs *Polychemical Labs

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McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
*R S A Corp

*Abbott Labs *Polychemical Labs

METHENAMINE see Hexamethylenetetramine

METHENYL TRICHLORIDE see Chloroform

dl-METHIONINE (dl-α-Amino-γ-Methylmercaptobutyric Acid; dl-2-Amino-4 Methylthiobutanoic Acid)

Browning Chem Corp
*Dow Chem Co
Fallek Products Co
R W Greeff & Co
Hoffman Labs
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
►*U S Industrial Chem Co Div

*Chemo Puro Mfg Corp *B L Lemke & Co
*E I du Pont de Nemours & Co, Grasselli Chem *Tracerlab Inc

1-METHOXY-2-AMINO-4-CHLOROBENZENE see Chloroanisidine

6-METHOXY-8-AMINOQUINOLINE

Fisher Chem Co
*R S A Corp

*Gamma Chem Corp

o-METHOXYBENZALDEHYDE see o-Anisaldehyde

p-METHOXYBENZALDEHYDE see Anisaldehyde

3-METHOXYBUTANOL

*Aldrich Chem Co
Hostachem Corp

METHOXYCHLOR

►Baird Chem Industries, Inc
*Thompson-Hayward Chem Co

*E I du Pont de Nemours & Co, Grasselli Chem *Geigy Agricultural Chem Div

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*Baker Castor Oil Co
Stoney-Mueller, Inc

*Deecy Products Co

METHOXYETHYL OLEATE

►*Food Machy & Chem Corp, Chems & Plastics Div
*Kessler Chem Co

3-METHOXY-4-HYDROXYBENZALDEHYDE see Vanillin

METHOXYMETHANE see Ether, Dimethyl

2-METHOXY-4-METHYLPHENOL see Creosol

6-METHOXY-8-NITROQUINOLINE

*Aldrich Chem Co
Fisher Chem Co
*R S A Corp
*Winthrop Labs

*Andor Labs *Gamma Chem Corp

o-METHOXYPHENOL see Guaiacol

METHOXYPOLYETHYLENE GLYCOLS

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*Union Carbide Chems Co

4-METHOXY PYRIDINE-N-OXIDE

*Beacon Chem Industries

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*Union Carbide Chems Co

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►*Borden Chem Co
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►*Colton Chem Co
*Eastern Chem Corp
►Jones Chems, Inc
►Peerless Oil & Chem Corp
*Shawinigan Resins Corp
Stoney-Mueller, Inc

METHYL ACETOACETATE

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*Aldrich Chem Co
►*Borden Chem Co
Gallard-Schlesinger Chem Mfg Corp
Hostachem Corp
*Union Carbide Chems Co

*Freeman Industries

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DeMert & Dougherty, Inc
Charles L Huisking Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
Stoney-Mueller, Inc
*Union Carbide Chems Co

METHYL ACETOPHENONE

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*Givaudan
R W Greeff & Co
S B Penick & Co

*Felton Chem Co

METHYL ACETYLENE (1-Propyne)

*Air Reduction Chem Co Div
*Farchan Research Labs
Matheson Co

*Kaplop Labs

METHYL ACETYL RICINOLEATE

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*Baker Castor Oil Co

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*Victor Chem Works
►*Virginia-Carolina Chem Corp

METHYL ACRYLATE

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►*Celanese Corp of America, Chem Div
►*Rohm & Haas Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

METHYLAL (Methylenedimethyl Ester, Formal, Dimethoxymethane, Methylenedimethylate)
►*Celanese Corp of America, Chem Div

METHYL ALLYL ACETATE (Methallyl Acetate)
*Aldrich Chem Co
►*Food Machy & Chem Corp, Chems & Plastics Div

METHYL ALLYL ACETONE (Methallyl Acetone)
►*Benzol Products Co
*NYQ Chem Div, S B Penick & Co

METHYL ALLYL CHLORIDE (Methallyl Chloride)
►*Benzol Products Co
►*Food Machy & Chem Corp, Chems & Plastics Div

METHYL ALLYL ESTERS
►*Food Machy & Chem Corp, Chems & Plastics Div

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Matheson Co
*Pennsalt Chems Corp
►*Rohm & Haas Co
*E I du Pont de Nemours & Co, Grasselli Chem

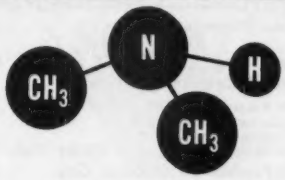
METHYLAMINE HYDROCHLORIDE
*R S A Corp
*Chemo Puro Mfg Corp

METHYL-o-AMINOBENZOATE see **Methyl Anthranilate**

METHYL-m-AMINO-p-HYDROXY-BENZOATE
*Winthrop Labs

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*Mallinckrodt Chem Works

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)



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Stoney-Mueller, Inc
*Union Carbide Chems Co

METHYL n-AMYL KETONE
*Union Carbide Chems Co
►Western Pennsylvania Chem Co

N-METHYLANILINE (Monomethylaniline)
*American Cyanamid Co, Organic Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

METHYL ANISATE
*Givaudan
R W Greeff & Co

METHYL ANTHRANILATE (Methyl-o-Aminobenzoate)
*Dow Chem Co
Florasynth Labs
*Givaudan
S B Penick & Co
*Polak's Frutal Works *Shulton Inc

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METHYLBENZENE see Toluol

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see Methyl Phenyl Carbinol Acetate

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►*Metal Hydrides
*United States Borax & Chem Corp
*Anderson Chem Co *Hukill Chem Corp
*Callery Chem Co

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►Baird Chem Industries, Inc
*Dow Chem Co
*Kolker Chem Corp
*Michigan Chem Corp
William E Phillips
Wallach-Gracer Export Corp
*Great Lakes Chem Corp

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*Dow Chem Corp

2-METHYL BUTADIENE-1,3 see Isoprene

2-METHYLBUTANE see Isopentane

2-METHYLBUTENE-2
*Phillips Petroleum Co, Special Products Div

3-METHYLBUTENE-1
Matheson Co
*Phillips Petroleum Co, Special Products Div

2-METHYLBUTYLAMINE
*Union Carbide Chems Co
*Ames Labs *Freeman Industries

METHYL-tert.-BUTYL KETONE
see Pinacolone

2-METHYL-3-BUTYN-2-OL (Dimethyl Ethynyl Carbinol)
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METHYL CAPROATE
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METHYL CAPRYLATE
*Emery Industries
*Marcus Ruth Jerome Co
*Stepan Chem Co
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Chapman Chem Co
*Dow Chem Co
George Mann & Co
Merchants Chem Co
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*Ansul Chem Co
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*Diamond Alkali Co
*Dow Chem Co
Globe Chem Co

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*Kolker Chem Corp
*Morton Chem Co
*Pennsalt Chems Corp

*E I du Pont de Nemours & Co, Electrochem Dept *Tracerlab Inc

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►*Benzol Products Co
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METHYL CHLOROFORMATE
►*Food Machy & Chem Corp, Chems & Plastics Div

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Florasynth Labs
*Givaudan
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METHYL COUMARIN
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*Rhodia, Inc

METHYL CROTONATE
*Edcan Labs *Kaplop Labs

METHYL CYANIDE see Acetonitrile

METHYL CYANOACETATE (Malonic Methyl Ester Nitrile)
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Gallard-Schlesinger Chem Mfg Corp
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*Gamma Chem Corp

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METHYL CYCLOHEXANOL (Hexahydrocresol)
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METHYL DICHLOROSTEARATE
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METHYL DIETHYL MALONATE (Monomethyl Diethyl Malonate)
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Chemical Formula	CH_3Cl
Molecular Weight	50.491
Specific Gravity	
Liquid—23.7°C/4°	1.00
20°C/4°	.92
Gas 0°C, 1 atmos	1.74
Boiling Point °C, 760 mm	−23.76
°F, 760 mm	−10.76
Refractive Index, n 20°/D	
Liquid—23.7°C	1.3712
Gas 25°C	1.000703
Solubility (in cc.) of Methyl Chloride Gas in 100 cc. of solvent (20°C, 760 mm)	
Water	303
Benzene	4723
Carbon Tetrachloride	3756
Glacial Acetic Acid	3679
Ethanol	3740

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METHYLENEDIMETHYLATE see Methylal

METHYLENE DICYANIDE see Malononitrile

METHYLENEDIPHENYL see Diphenyl Methane

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*NYQ Chem Div, S B Penick & Co
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Chemsol, Inc
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►Enjay Co
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Inland Chem Corp
►Jones Chems, Inc
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McKesson & Robbins, Inc, Chem Dept
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MILORI BLUE see Iron Blues

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*Mineral Pigments Corp
*Smith Chem & Color Co
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MINERAL BUTTER see Antimony Chloride

MINERAL CARBON see Graphite

MINERAL FAT see Petrolatum

MINERAL GREEN see Copper Carbonate

MINERAL PITCH see Asphalt

MINERAL RUBBER (Elaterite) — see also Gilsonite

*American Oil & Supply Co
►*Witco Chem Co

MINIUM see Lead Oxide, Red

MIRBANE see Nitrobenzene

MOHR'S SALT see Iron-Ammonium Sulfate (ous)

MOLDING COMPOUNDS

►*Allied Chem Corp, Plastics & Coal Chems Div
*Atlas Powder Co, Chems Div
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*Catalin Corp of America
*Diamond Alkali Co
*Dow Corning Corp
►*Eastman Chem Products
International Selling Corp
►*Monsanto Chem Co
*Acheson Colloids Co
*Adhesive Products Co
*American Marietta Co
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Durez Plastics Div
*Hadley Bros-Uhl Co
*Illinois Minerals Co
*Koppers Co, Plastics Div
*Naugatuck Chem Div
*Plastics Engineering Co
*Rubba, Inc
*Synvar Corp
*Union Carbide Plastics Co
*Zophar Mills

MOLDING POWDERS, LUMINOUS

*Koppers Co, Plastics Div

MOLDING POWDERS, PLASTIC

►*Allied Chem Corp, Plastics & Coal Chems Div
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*Catalin Corp of America
*Davies Nitrate Co
*Dow Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
►*Eastman Chem Products
International Selling Corp
►*Monsanto Chem Co
►*Rohm & Haas Co
*Sartomer Resins, Inc
*Acme Resin Corp
*Celanese Corp of America, Plastics Div
*Durez Plastics Div
*Koppers Co, Plastics Div
*Naugatuck Chem Div
*Synvar Corp
*Union Carbide Plastics Co

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*American Cyanamid Co, Pigments Div
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*Kentucky Color & Chem Co
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*California Ink Co
*Imperial Color Chem & Paper Corp
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MOLYBDENUM ANHYDRIDE see Molybdenum Trioxide

MOLYBDENUM CARBONYL

*Var-Lac-Oid Chem Co
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MOLYBDENUM DISULFIDE

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*Belmont Smelting & Refining Works
Chemical Commerce
Intra Continental Export Co
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*Bram Metal-Chem Co
*Climax Molybdenum Co
*Crucible Steel Co
*Fansteel Metallurgical Corp
*Metals & Controls Corp
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MOLYBDENUM OXALATE

*City Chem Corp

MOLYBDENUM PENTACHLORIDE

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*Var-Lac-Oid Chem Co
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MOLYBDENUM SILICIDES

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MONAZITE

►*Titanium Alloy Mfg Div
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MONO — see specific chemical without mono- prefix, e.g., Monoethanolamine see Ethanolamine

MONOMERS, CROSS-LINKING

*Antara Chem Div
►*Borden Chem Co
*Dow Chem Co
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*Sartomer Resins, Inc
Stoney-Mueller, Inc
►*Sumner Chem Co Div
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Wallace A Erickson & Co
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MORDANT SALT see Aluminum Acetate, Basic

MORDANTS, TEXTILE

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Geigy Dyestuffs Div
►*Tennessee Corp
*Union Carbide Chems Co
*Bryant Chem Corp
*Nyanza Color & Chem Co

MORPHINE

*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

MORPHINE SALTS

*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

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MORPHOLINE (Tetrahydro-p-Oxazine)
American Mineral Spirits Co
De Mert & Dougherty, Inc
►*Jefferson Chem Co
Kraft Chem Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
J U Starkweather Co
Stoney-Mueller, Inc
*Union Carbide Chems Co

N-MORPHOLINE ETHANOL see N-Hydroxyethyl Morpholine

MORPHOLINE OLEATE
*Dominion Products *Wica Chem
*Hodag Chem Corp

MORTAR, ACID-RESISTING
*Pennsalt Chems Corp
*Atlas Mineral Products Co *Carboline Co

MOSS GREEN see Copper Acetoarsenite

MOUNTAIN CORK see Asbestos

MOUNTAIN GREEN see Copper Carbonate

MOUNTAIN VERDITER see Azurite

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*Aldrich Chem Co
►*J T Baker Chem Co
►*Borden Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*Gane's Chem Works
*K & K Labs
*Andor Labs *Schuylkill Chem Co
*Hagan Chem & Controls

MURILLO BARK see Soap Bark

MUSCOVITE see Mica

MUSK KETONE (4-tert.-Butyl-2,6-Dimethyl-3,5-Dinitroacetophenone)
Florasynth Labs
*Givaudan
George Lueders & Co
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*Shulton Inc

MUSK, NATURAL
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*Schimmel & Co

MUSK XYLOL
Fisher Chem Co
Florasynth Labs
*Givaudan
George Lueders & Co
*Gamma Chem Corp *Shulton Inc

MUTHMANN'S LIQUID see Acetylene Tetrabromide

MYRISTOYL CHLORIDE (Myristyl Chloride; Tetradecanoyl Chloride)
►*Trubek Labs

MYRISTOYL PEROXIDE
*Lucidol Div, Wallace & Tiernan Inc

MYRISTYL CHLORIDE see Myristoyl Chloride

N

NAPHTHA, BLENDING
*American Mineral Spirits Co
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►*Monsanto Chem Co
*Neville Chem Co
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►Jones Chems, Inc
►Peerless Oil & Chem Corp
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*Atlantic Refining Co *Shell Oil Co
*Pennsylvania Refining Co

NAPHTHA, COAL TAR see Naphtha, Heavy and Naphtha, Solvent

NAPHTHA, DEODORIZED
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*American Oil & Supply Co
R J Brown Co
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►Jones Chems, Inc
►Peerless Oil & Chem Corp
►*Sinclair Petrochems, Inc
Solvents & Chems Group
*Trio Chem Works
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*American Oil & Supply Co
*Esso Standard Oil Co
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*Crowley Tar Products Corp *Koppers Co, Tar Products Div
*Oil & Chem Products

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MORPHOLINE
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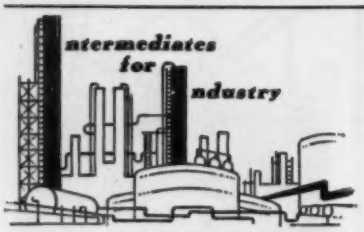
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Solvents & Chems Group

*Eastern States Petroleum & Chem Corp

NAPHTHA, PAINTERS' see Naphtha, V. M. & P.

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Chemical Solvents, Inc
*Phillips Petroleum Co, Special Products Div
Solvents & Chems Group

*Eastern States Petroleum & Chem Corp

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*American Mineral Spirits Co
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*Esso Standard Oil Co
Inland Chem Corp
►Jones Chems, Inc
*Neville Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Phillips Petroleum Co, Special Products Div
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Tar Residuals
*Trio Chem Works

*Anderson-Prichard Oil
*Atlantic Refining Co
*Coopers Creek Chem Corp
*Crowley Tar Products
*Eastern States Petroleum & Chem Corp
*Koppers Co, Tar Products Div
*Oil & Chem Products
*Shell Oil Co
*United States Steel Corp

NAPHTHA, STRAIGHT RUN

*American Mineral Spirits Co
*American Oil & Supply Co
*Esso Standard Oil Co
►*Monsanto Chem Co
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Solvents & Chems Group

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*Atlantic Refining Co
*Eastern States Petroleum & Chem Corp
*Oil & Chem Products
*Pennsylvania Refining Co
*Shell Oil Co

NAPHTHA, V. M. & P.

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*American Oil & Supply Co
R J Brown Co
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*Esso Standard Oil Co
Inland Chem Corp
►Jones Chems, Inc
►Modern Solvents & Chems Corp
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Solvents & Chems Group
Thompson-Hayward Chem Co

*Anderson-Prichard Oil Corp
*Atlantic Refining Co
*Shell Oil Co
*Eastern States Petroleum & Chem Corp
*Pennsylvania Refining Co

NAPHTHALENE (Tar Camphor, White Tar, Naphthalin)

►*Allied Chem Corp, Plastics & Coal Chems Div
►American-British Chem Supplies
►*J T Baker Chem Co
►Barclay Chem Co
*Chemical Mfg Co
Fallek Products Co
M W Hardy & Co
Harshaw Chem Co
Howe & French Inc
Chas L Huisking & Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
*Neville Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Pittsburgh Coke & Chem Co
*Productol Co
*Reilly Tar & Chem Corp
Republic Chem Corp
Robeco Chems
Irving M Sobin Chem Co
Tar Residuals
Thompson-Hayward Chem Co
*Trio Chem Works
George Uhe Co
*United States Pipe & Foundry Co
*Colorado Fuel & Iron Corp
*Coopers Creek Chem Co
*Crowley Tar Products Co
*Donner-Hanna Coke Corp
*Koppers Co, Tar Products Div
*United States Steel Corp, Coal Chem Div

NAPHTHALENEDIOL see Dihydroxynaphthalene

NAPHTHALIDINE see α-Naphthylamine

NAPHTHALIN see Naphthalene

α-NAPHTHOL

►*Allied Chem Corp, National Aniline Div
*American Mineral Spirits Co
*Antara Chem Div
►*J T Baker Chem Co
►Barclay Chem Co
*Fisher Scientific Co

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

β-NAPHTHOL (Naphthol, Isonaphthol, β-Monohydroxynaphthalene)

*Aldrich Chem Co
*American Cyanamid Co, Organic Chem Div
*American Mineral Spirits Co
*Antara Chem Div
►*I T Baker Chem Co
►Barclay Chem Co
Ciba Co
*Fine Organics
*Mallinckrodt Chem Works
H P Rossiger & Co
*Sherwin-Williams Co

*Francolor, Inc

β-NAPHTHOL BENZOATE see Benzonaphthol

α-NAPHTHOL PHTHALEIN

►*Allied Chem Corp, National Aniline Div
*Eastern Chem Corp

*Andor Labs
*Hartman-Leddon Co

β-NAPHTHOQUINOLINE see Benzoquinoline

NAPHTHORESORCINOL see 1,3-Dihydroxynaphthalene

α-NAPHTHYLAMINE (1-Aminonaphthalene, Naphthalidine)

►*Allied Chem Corp, National Aniline Div
*Antara Chem Div

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Francolor, Inc

β-NAPHTHYLAMINE (2-Aminonaphthalene)

*Aldrich Chem Co

*Francolor, Inc
*Pfister Chem Works

α-NAPHTHYLAMINE HYDROCHLORIDE

*Fine Organics
*R S A Corp

β-NAPHTHYLAMINE HYDROCHLORIDE

*Fine Organics
*R S A Corp

1,2-NAPHTHYLENEDIAMINE

*Aldrich Chem Co
*R S A Corp

α-NAPHTHYLPHENYLOXAZOLE

*Arapahoe Chem
*Fine Organics
*K & K Labs

*Pilot Chems, Inc

β-NAPHTHYL SALICYLATE

*R S A Corp

α-NAPHTHYL THIOUREA

*Eastern Chem Corp
*Fallek Products Co

β-NAPHTHYL THIOUREA

*K & K Labs

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NARCOTICS
*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

NATURAL GAS BLACK see Carbon Black

NAVAL STORES
S L Abbot Co
*Godfrey L Cabot
Harwick Standard Chem Co
*Heyden Newport Chem Corp
Tar Residuals
Thompson-Hayward Chem Co
*Glidden Co

NEOCINCHOPHEN (6-Methyl-2-Phenyl-Quinoline-4-Carboxylic Acid, Ethyl Ester)
Henley & Co
*NYQ Chem Div, S B Penick & Co

NEOCUPFERRON
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►Berkshire Chems Inc
►*Davison Chem Co Div
Harshaw Chem Co
►*Lindsay Chem Div
Millmaster Chem Corp
*Var-Lac-Old Chem Co
*Fairmount Chem Co *Research Chem
*Heavy Minerals Co

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►*American Potash & Chem Corp
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
Millmaster Chem Corp
*Var-Lac-Old Chem Co
*Fairmount Chem Co *Research Chem
*Heavy Minerals Co

NEODYMIUM FLUORIDE
►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Var-Lac-Old Chem Co
*Heavy Minerals Co *Research Chem

NEODYMIUM, METAL
►*American Potash & Chem Corp
City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Old Chem Co
*Bram Metal-Chem Co *Research Chem
*Fairmount Chem Co

NEODYMIUM NITRATE
►*American Potash & Chem Corp
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NEPHELINE SYENITE
*International Minerals & Chem Corp, Consolidated Feldspar Dept
Kraft Chem Co

NEROLIN (NEW) see Ether, β-Naphthyl Ethyl

NEUTRALIZERS, CREAM
►*Allied Chem Corp, Solvay Process Div
Bonewitz Chem
*Diamond Alkali Co
►*Nopco Chem Co

NEW GREEN see Copper Acetoarsenite

NIACIN see Acid, Nicotinic

NIACINAMIDE see Nicotinamide

NICKEL ACETATE
►Aceto Chem Co
►*J T Baker Chem Co
►Berkshire Chems Inc
*Harshaw Chem Co
►Jones Chems, Inc
Lotte Chem Corp
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Shepherd Chem Co
*Var-Lac-Old Chem Co
►*Vitro Rare Metals Co

NICKEL ALLOYS — see also Nickel Titanium
*Belmont Smelting & Refining Works
International Selling Corp
*J Bishop & Co Platinum Works *Crucible Steel Co
*International Nickel Co
*Bram Metal-Chem Co

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►Barclay Chem Co
*Fisher Scientific Co
Inland Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
Merchants Chem Co
*Shepherd Chem Co

NICKEL BLACK see Nickel Oxide (ic)

NICKEL BROMIDE
*City Chem Corp

NICKEL CABONATE, BASIC
►Aceto Chem Co
►*J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
Browning Chem Corp
*Harshaw Chem Co
J F Henry Chem Co
►Jones Chems, Inc
Lotte Chem Corp
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Shepherd Chem Co
*Var-Lac-Old Chem Co
►*Vitro Rare Metals Co

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*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
*Nuodex Products Co
Republic Chem Corp
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Tar Residuals
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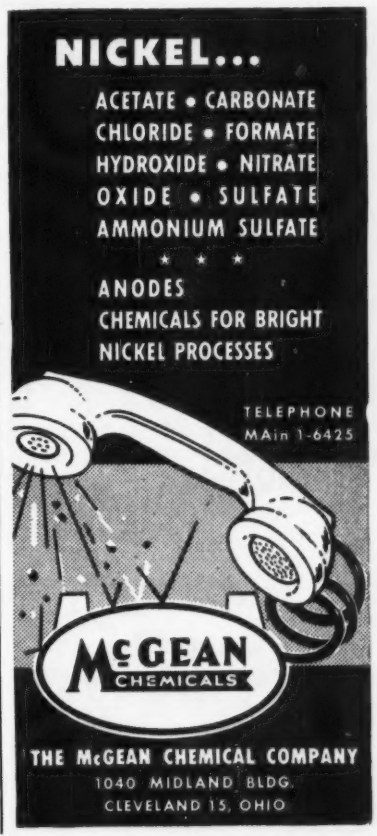
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*City Chem Corp
*Shepherd Chem Co

NICKEL CYANIDE
►*Aceto Chem Co
*City Chem Corp
*Special Chems Corp

NICKEL FLUOBORATE
►*Allied Chem Corp, General Chem Div

NICKEL FLUORIDE
*Hummel Chem Co

NICKEL FORMATE
►Aceto Chem Co
►Berkshire Chems Inc
Browning Chem Corp
City Chem Corp
*Harshaw Chem Co
►Jones Chems, Inc
Lotte Chem Corp
*McGean Chem Co
*Shepherd Chem Co
►*Vitro Rare Metals Co
*Triangle Chem Co



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• Dextrose C. P. Anhyd.
• Thyroid U. S. P. Powder
• Calcium Caseinate
• Terpin Hydrate
• Nicotine Sulphate
• Nicotine Alkaloid
• Sulfa Drugs
• Amino Acids
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NICKEL HYDRATE see Nickel Hydroxide (ous)

NICKEL HYDROXIDE (ic)
*Var-Lac-Oid Chem Co

NICKEL HYDROXIDE (ous)
►*Aceto Chem Co
*Shepherd Chem Co
*Var-Lac-Oid Chem Co

NICKEL IODIDE
*City Chem Corp
Clearbrook Chem Co
*Gallard-Schlesinger Chem Mfg Corp

NICKEL, METAL
►* J T Baker Chem Co
*Belmont Smelting & Refining Works
►Foote Mineral Co
Inland Chem Corp
International Selling Corp
*J Bishop & Co Platinum Works
*Bram Metal-Chem Co
*International Nickel Co

NICKEL NAPHTHENATE
*Advance Solvents & Chem Div
*Harshaw Chem Co
*Shepherd Chem Co
*Troy Chem Co

NICKEL NITRATE
►*Allied Chem Corp, General Chem Div
►* J T Baker Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*McGean Chem Co
Millmaster Chem Corp
*Shepherd Chem Co

NICKEL OXALATE
*Shepherd Chem Co

NICKEL OXIDE (ic)
►*J T Baker Chem Co
*Harshaw Chem Co
*McGean Chem Co
Republic Chem Corp
Tar Residuals
*Var-Lac-Oid Chem Co

NICKEL OXIDE (ous) (Nickel Black, Nickel Peroxide, Green Nickel Oxide, Nickel Protoxide)
►* J T Baker Chem Co
*Fisher Scientific Co
*Harshaw Chem Co
*McGean Chem Co
Republic Chem Corp
Tar Residuals
*Var-Lac-Oid Chem Co
*General Metallic Oxides Co

NICKEL PERCHLORATE
*G Frederick Smith Chem Co

NICKEL PEROXIDE see Nickel Oxide (ic)

NICKEL POWDER
*Belmont Smelting & Refining Works
►*Foote Mineral Co
Hummel Chem Co
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co
*General Metallic Oxides Co
*National-US Radiator Corp

NICKEL PROTOXIDE see Nickel Oxide (ous)

NICKEL SALTS, DOUBLE see Nickel Ammonium Sulfate

NICKEL SALTS, SINGLE see Nickel Sulfate

NICKEL STEARATE
*Mathe Chem Co
Millmaster Chem Corp
*Shepherd Chem Co
►*Witco Chem Co

NICKEL SULFAMATE
*City Chem Corp

NICKEL SULFATE (Nickel Salts, Single)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Berkshire Chems Inc
Browning Chem Corp
*Chemical Affiliates
Chemical Commerce
Faesy & Besthoff
*Fisher Scientific Co
Globe Chem Co
M W Hardy & Co
*Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Indussa Corp
►Jones Chems, Inc
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Millmaster Chem Corp
*Nuodex Products Co
*Phelps Dodge Refining Corp
*Republic Chem Corp
Revelli Chems, Inc
Robeco Chems
E M Sergeant Pulp & Chem Co
*Shepherd Chem Co
Irving M Sobin Chem Co
Tar Residuals
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*American Smelting Refining Co

NICKEL TITANATE
►*Titanium Alloy Mfg Div

NICKEL TITANIUM
*Belmont Smelting & Refining Works
►*Metal & Thermit Corp
►*Titanium Alloy Mfg Div
*Crucible Steel Co
*Metals & Controls Corp

NICOTINAMIDE (Nicotinic Acid Amide)
►*American Cyanamid Co, Fine Chems Dept
Gane & Ingram
R W Greeff & Co
Henley & Co
*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
*Chas Pfizer & Co
George Uhe Co
*Biorganic Labs
*Chemo Puro Mfg Corp
*Nepera Chem Co
*Roselle Labs
*R P Scherer Corp

NICOTINAMIDE HYDROCHLORIDE
►*American Cyanamid Co, Fine Chems Dept
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Nepera Chem Co
*Roselle Labs

NICOTINE (β-Pyridyl-α-N-Methyl-Pyrrolidine)
Conray Products Co
Filo Color & Chem Corp
*California Spray-Chem Corp

NICOTINE DUST
*Thompson-Hayward Chem Co
*California Spray-Chem Corp
*Niagara Chem Div Corp

NICOTINE SULFATE
►*American Cyanamid Co, Fine Chems Dept
►Baird Chem Industries, Inc
Conray Products
*Diamond Alkali Co
Filo Color & Chem Corp
*NYQ Chem Div, S B Penick & Co
Republic Chem Corp
*California Spray-Chem Corp

NICOTINIC ACID AMIDE see Nicotinamide

NIKETHAMIDE (N,N-Diethyl Nicotinamide, Nicotinic Diethylamide Acid)
*Fallek Products Co
*Gane & Ingram
*Arenol Chem Corp
*Biorganic Labs
*Polychemical Labs
*Roselle Labs

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NIL ALBA see Zinc Oxide

NINHYDRIN (Reagent for Amino Acids)
*Aldrich Chem Co
►*Borden Chem Co
*Eastern Chem Corp
*Eastman Organic Chems
*Pfanstiehl Labs
*Pierce Chem Co

NIOBIUM see Columbium

NITER see Potassium Nitrate

NITRATINE see Sodium Nitrate

NITRAZOL see p-Nitroaniline, Red

NITRE see Potassium Nitrate

NITRE CAKE see Sodium Bisulfate

NITRIC OXIDE
*Matheson Co

NITRILES
►*Armour Industrial Chem Co
►*Kay-Fries Chems
►*Monsanto Chem Co
*Kaplop Labs *Tracerlab Inc

NITRILOMALONAMIDE see Cyanoacetamide

m-NITROACETOPHENONE
*Aldrich Chem Co
*Eastern Chem Corp
►*Maumee Chem Co

o-NITROAMINOBENZENE see o-Nitroaniline

p-NITRO-o-AMINOPHENOL
►*Allied Chem Corp, National Aniline Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

m-NITROANILINE
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
Hostachem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div

o-NITROANILINE
Hostachem Corp
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co

p-NITROANILINE
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
Hostachem Corp
►*Monsanto Chem Co
*Sherwin-Williams Co
*Francolor, Inc

p-NITROANILINE, RED (Azophor Red, Para Red, Nitrazol, Discharge Lake R, p-Nitrobenzene-Azo-β-Naphthol)
*American Cyanamid Co, Pigments Div
►*Koppers Co, Chems & Dyestuffs Div
*Sherwin-Williams Co
*Federal Color Labs *Imperial Color Chem & Paper Corp
*Holland Color & Chem Co *Western Dry Color Co

o-NITROANISOLE
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

p-NITROANISOLE
*Fine Organics
►*Koppers Co, Chems & Dyestuffs Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

NITROBARITE see Barium Nitrate

m-NITROBENZALDEHYDE
►*Allied Chem Corp, National Aniline Div
*Hilton-Davis Chem Co Div
*E I du Pont de Nemours & *Andor Labs Co, Dyes & Chem Div

o-NITROBENZALDEHYDE
*Aldrich Chem Co
*Eastern Chem Corp
*K & K Labs
*Andor Labs

p-NITROBENZALDEHYDE
*Eastern Chem Corp
*K & K Labs
*Andor Labs

NITROBENZENE (Nitrobenzol, Mirbane Oil, Essence of Mirbane, Nitrobenzide)
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►*J T Baker Chem Co
*E I du Pont de Nemours & Co, Explosives Dept
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept

p-NITROBENZENE AZO-β-NAPHTHOL see p-Nitroaniline, Red

p-NITROBENZENEAZORESORCINOL
*Eastman Organic Chems

NITROBENZIDE see Nitrobenzene

m-NITROBENZONITRILE
*K & K Labs
*Beacon Chem Industries *Kaplop Labs

m-NITROBENZOTRIFLUORIDE
►*Maumee Chem Co

m-NITROBENZOYL CHLORIDE
►*Hooker Chem Corp

p-NITROBENZOYL CHLORIDE
►*Hooker Chem Corp

2-NITRO-1-BUTANOL
►*Commercial Solvents Corp

NITROCALCITE see Calcium Nitrate

NITROCELLULOSE (Pyroxylin, Gun Cotton, Cellulose Nitrate)
*E I du Pont de Nemours & Co, Explosives Dept

NITROCELLULOSE SOLUTIONS
*Howe & French Inc
*National Chem & Plastics Co
Scholle Chem Corp
Stoney-Mueller, Inc
*B B Chem Co *Maas & Waldstein Co
*Cellofilm Industries *Midland Adhesive & Chem Corp
*Duralac Chem Corp *Pyroxylin Products
*Lacquer Specialties

m-NITROCHLOROBENZENE
*Antara Chem Div

o-NITROCHLOROBENZENE (o-Nitrochlorobenzol)
►Barclay Chem Co
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

p-NITROCHLOROBENZENE
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

3-NITRO-4-CHLOROBENZOTRIFLUORIDE
►*Maumee Chem Co

NITROCHLOROFORM see Chloropicrin

o-NITRO-p-CHLOROPHENOL
►*Maumee Chem Co

1-NITRO-2,5-DICHLOROBENZENE see 2,5-Dichloronitrobenzene

p-NITRODIPHENYLAMINE
*Aldrich Chem Co

NITROETHANE
American Mineral Spirits Co
►*Commercial Solvents Corp

2-NITRO-2-ETHYL-1,3-PROPANEDIOL
►*Commercial Solvents Corp

NITROGEN COMPOUNDS
►*Allied Chem Corp, Nitrogen Div
*Antara Chem Div
H J Baker & Bro
►*Borden Chem Co
►*Commercial Solvents Corp
*Dow Chem Co
►*Monsanto Chem Co
►*Sinclair Petrochems, Inc
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
*Archer-Daniels-Midland Co *Standard Oil Co (Indiana)
*Sohio Chem Co *The Texas Co
*Spencer Chem Co

NITROGEN FERTILIZERS see Fertilizers, Nitrogen

NITROGEN GAS
*Grace Chem Co Div
*Linde Co *Southern Oxygen Co
*McGraw-Edison *Spencer Chem Co
*National Carbide Co

NITROGEN, LIQUID
*Linde Co *Southern Oxygen Co
*McGraw-Edison

NITROGEN TETROXIDE
►*Allied Chem Corp, Nitrogen Div
*Hercules Powder Co
Matheson Co

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NITROMETHANE
►*J T Baker Chem Co
►*Commercial Solvents Corp
*Traceriab Inc

2-NITRO-2-METHYL-1,3-PROPANEDIOL
►*Commercial Solvents Corp

2-NITRO-2-METHYL-1-PROPANOL
►*Commercial Solvents Corp

NITROPARAFFINS
►*Commercial Solvents Corp

m-NITROPHENOL
*Eastern Chem Corp
*K & K Labs

o-NITROPHENOL
*Beacon Chem Industries *Verona-Pharma Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div

p-NITROPHENOL
*Fisher Scientific Co
Hostachem Corp
►*Monsanto Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div *Verona-Pharma Chem Corp

p-NITROPHENYLHYDRAZINE HYDROCHLORIDE
*Eastman Organic Chems
*K & K Labs
*Andor Labs

1-NITROPROPANE
American Mineral Spirits Co
►*Commercial Solvents Corp

2-NITROPROPANE
American Mineral Spirits Co
►*Commercial Solvents Corp

4-NITROPYRIDINE-N-OXIDE
*Beacon Chem Industries *Nepera Chem Co

5-NITROQUINOLINE
*Aldrich Chem Co
*K & K Labs
*Beacon Chem Industries

8-NITROQUINOLINE
*Aldrich Chem Co
*K & K Labs
*Beacon Chem Industries

4-NITROQUINOLINE-N-OXIDE
*K & K Labs
*Beacon Chem Industries

5-NITROSALICYLALDEHYDE
*G Frederick Smith Chem Co

p-NITROSODIMETHYLANILINE
*Beacon Chem Industries *Fairmount Chem Co

N-NITROSODIPHENYLAMINE
*B F Goodrich Chem Co *Naugatuck Chem Div

α-NITROSO-β-NAPHTHOL
*Eastern Chem Corp
*Eastman Organic Chems
*Fine Organics
*Andor Labs

NITROSOPHENYL HYDROXYLAMINE see Cupferron

NITROTOLUENES, MIXED
►*J T Baker Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

m-NITRO-p-TOLUIDINE
*Aldrich Chem Co
*American Cyanamid Co, Organic Chem Div
*Ciba Co
*Hilton-Davis Chem Co Div
*Sherwin-Williams Co
*E I du Pont de Nemours & Co, Dyes & Chem Div *Francolor, Inc *Wilson Organic Chems

p-NITRO-o-TOLUIDINE
*Hilton-Davis Chem Co Div
*E I du Pont de Nemours & Co, Dyes & Chem Div

NITROTRICHLOROMETHANE see Chloropicrin

4-NITRO-3-TRIFLUOROMETHYLPHENOL
►*Maumee Chem Co

NITROUS OXIDE
*Ohio Chem & Surgical Equipment Co Div *McGraw-Edison

NONALDEHYDE see n-Nonyl Aldehyde

NONANE
*Aldrich Chem Co
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp

NONENES
*Amoco Chems Corp
►Enjay Co
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp *Atlantic Refining Co

n-NONYL ACETATE
*Givaudan
*Polak's Frutal Works

n-NONYL ALDEHYDE
*Aldrich Chem Co
*Givaudan
*Edcan Labs

NONYL BROMIDE
*R S A Corp

tert.-NONYL MERCAPTAN
*Pennsalt Chems Corp
*Phillips Petroleum Co, Special Products Div

NONYL PHENOL
*Antara Chem Div
►*Jefferson Chem Co
►*Rohm & Haas Co
*Stepan Chem Co
*Union Carbide Chems Co
Wallach-Gracer Export Corp

2-(5-NONYL)-PYRIDINE
*Aldrich Chem Co

4-(5-NONYL)-PYRIDINE
*Aldrich Chem Co

NONYL SUCCINIC ACID ANHYDRIDE
►*Humphrey-Wilkinson

NORGE NITER see Calcium Nitrate

dl-NORLEUCINE see Acid, α-Amino-caproic

dl-NORVALINE see Acid, α-Amino-n-Valeric

NORWEGIAN SALTPETER see Calcium Nitrate

NOVOCAINE see Procaine Hydrochloride

NUTGALLS
Meer Corp
S B Penick & Co

O

OCHERS
*American Cyanamid Co, Organic Chem Div
Charles B Chrystal Co
Harshaw Chem Co
*Mineral Pigments Corp
*Smith Chem & Color Co
Whittaker, Clark & Daniels
*C K Williams & Co
*Tamms Industries

OCTACHLORO-4,7-METHANE-TETRAHYDROINDANE see Chlordane

n-OCTADECANE
►*Humphrey-Wilkinson
*Archer-Daniels-Midland Co

n-OCTADECANOL see Alcohol, Stearyl

OCTADECENE-1
*Aldrich Chem Co
►*Humphrey-Wilkinson
*Archer-Daniels-Midland Co

OCTADECENYL SUCCINIC ACID ANHYDRIDE
►*Humphrey-Wilkinson
*Atlas Refinery Inc

OCTADECYL BROMIDE
►*Aceto Chem Co
*Eastern Chem Corp
►*Humphrey-Wilkinson

OCTADECYL CHLORIDE
►*Aceto Chem Co
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n-OCTANE
Chemical Solvents, Inc
►*Humphrey-Wilkinson
►Modern Solvents & Chems Corp
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp *Tracerlab Inc

OCTANES, MIXED
*Esso Standard Oil Co
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp

1-OCTANOL see Alcohol, pri.-n-Octyl

2-OCTANOL see Alcohol, sec.-n-Octyl

OCTANOYL CHLORIDE see Caprylyl Chloride

OCTENE-1
*Aldrich Chem Co
*Harchem Div, Wallace & Tiernan Inc
►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div
*Eastern States Petroleum & Chem Corp

OCTENE-2
*Aldrich Chem Co
*Harchem Div, Wallace & Tiernan Inc
►*Humphrey-Wilkinson
*Phillips Petroleum Co, Special Products Div

n-OCTYL ACETATE
Florasynth Labs
R W Greeff & Co
*NYQ Chem Div, S B Penick & Co
*Dodge & Olcott *Polak's Frutal Works
*Fritzsche Bros

OCTYL ACRYLATE
►*Borden Chem Co

n-OCTYL ALDEHYDE
*Aldrich Chem Co
Florasynth Labs
*Givaudan

tert.-OCTYL AMINE
*Aldrich Chem Co
►*Rohm & Haas Co

OCTYL BROMIDE
►*Aceto Chem Co
►*Humphrey-Wilkinson
*NYQ Chem Div, S B Penick & Co
*R S A Corp

OCTYL BUTYRATE
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OCTYL CHLORIDE
►*Aceto Chem Co
►*Humphrey-Wilkinson
*R S A Corp
*Naugatuck Chem Div

n-OCTYL DECYL ADIPATE
►*Food Machy & Chem Corp, Chems & Plastics Div
*Hatco Chem Co
*Morton-Withers Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Solvents & Chems Group
Stoney-Mueller, Inc
*B F Goodrich Chem Co *Thompson Chem Co
*Rubber Corp of America

n-OCTYL DECYL PHTHALATE
*Hatco Chem Co
*Kolker Chem Corp
*Morton-Withers Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Stoney-Mueller, Inc
*B F Goodrich Chem Co *Thompson Chem Co
*Rubber Corp of America

OCTYL DECYL PHTHALATES, MIXED
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Food Machy & Chem Corp, Chems & Plastics Div
Harwick Standard Chem Co
*Hatco Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*B F Goodrich Chem Co *Specialty Resins Co
*Rubber Corp of America *Thompson Chem Co

tert.-OCTYL DISULFIDE
*Phillips Petroleum Co, Special Products Div

n-OCTYL FORMATE
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*NYQ Chem Div, S B Penick & Co
*R S A Corp

n-OCTYL ISOBUTYRATE
*Dodge & Olcott *Fritzsche Bros

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►*Wilson-Martin (Div Wilson & Co)
*Beacon Chem Industries

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*Phillips Petroleum Co, Special Products Div

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*Kolker Chem Corp
►*Rohm & Haas Co

OCTYL PHENOXYETHANOL
►*Rohm & Haas Co

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*Victor Chem Works
►*Virginia-Carolina Chem Corp

OCTYL PROPIONATE
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OCTYL RESORCINOL
*Fine Organics
►*Koppers Co, Chems & Dyestuffs Div

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*Kessler Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Beacon Chem Industries *Rubber Corp of America

n-OCTYL SULFOXIDE
*Heyden Newport Chem Corp
*NYQ Chem Div, S B Penick & Co

ODORANTS
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*Oronite Chem Co
*S B Penick & Co
Sindar Corp
*Fritzsche Bros *Schimmel & Co
*Polak & Schwartz *Uncle Sam Chem Co

ODORANTS, GAS
►*Humphrey-Wilkinson
*Mallinckrodt Chem Works

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*Phillips Petroleum Co, Special Products Div
*Crown Zellerbach Corp *Natural Gas Odorizing

OIL, ALMOND, BITTER

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*S B Penick & Co
*Polak's Frutal Works

OIL, ALMOND, SWEET

Florasynth Labs
*S B Penick & Co
*Pacific Vegetable Oil Corp

OIL OF ALMONDS, SYNTHETIC

see Benzaldehyde

OIL, ANILINE

see Aniline

OIL, ANISE

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OIL, ANTHRACENE

see Anthracene

OIL OF ANTS, SYNTHETIC

see Furfural

OIL, APRICOT KERNEL (Oil of Persic)

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Welch, Holme & Clark Co
*Pacific Vegetable Oil Corp

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OIL, BENNE

see Oil, Sesame

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*Cargill, Inc *Schimmel & Co
*Polak's Frutal Works

OILS, BLOWN

*Degen Oil & Chem Co
►*Nopco Chem Co
*Archer-Daniels-Midland *Pacific Vegetable Oil Corp
*Atlas Refinery Inc *Reilly-Whiteman-Walton Co
*Crowmoll Chem Co
*Marden-Wild Corp
*Neatsfoot Oil Refineries *Werner G Smith, Inc

OIL, BLUBBER

see Oil, Whale

OIL, BODY

see Oil, Whale

OIL, BOILED

see Oil, Linseed

OIL, BONE (Dippel, Hartshorn Oil)

►*Stauffer Chem Co
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*Dominion Products *Sterol Derivatives, Inc
*Freeman Industries *Swift & Co

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S B Penick & Co
*Prentiss Drug & Chem Co

OIL, CARYOPHYLLUS

see Oil, Clove

OIL, CASSIA (Chinese Oil of Cinnamon)

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*Polak's Frutal Works *Schimmel & Co

OIL, CASTOR (Ricinus Oil)

H J Baker & Bro
*Baker Castor Oil Co
►Barclay Chem Co
*Brazilian Industrial Oils
*Degen Oil & Chem Co
Fallek Products Co
Harshaw Chem Co
International Commodities Corp
*National Lead Co
Sessions-Gifford Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co
*Atlas Refinery Inc *Pacific Vegetable Oil Corp

OIL, CASTOR, ACETYLATED

*Baker Castor Oil Co
*Degen Oil & Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

OIL, CASTOR, BLOWN (Oxidized Castor Oil)
*Baker Castor Oil Co
*Degen Oil & Chem Co
►*Nopco Chem Co
*Atlas Refinery Inc
*Spencer Kellogg & Sons
*Neatsfoot Oil Refineries
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton Co

OIL, CASTOR, DEHYDRATED
*Baker Castor Oil Co
*Sherwin-Williams Co
*Golwynne Chem Corp
*Spencer Kellogg & Sons
*Woburn Chem Corp

OIL, CASTOR, HYDROGENATED (Glyceryl Tri-[12-Hydroxystearate])
*Baker Castor Oil Co
*Darling & Co
*Emery Industries
*Harchem Div, Wallace & Tiernan Inc
►*HumKo-Div
William E Phillips
Var-Lac-Oid Chem Co
*Archer-Daniels-Midland Co
*Werner G Smith, Inc
*Swift & Co
*US Oils & Chems
*Woburn Chem Corp

OIL, CASTOR, OXIDIZED see Oil, Castor, Blown

OIL, CASTOR, PHOSPHATED
►*Virginia-Carolina Chem Corp

OIL, CASTOR, PROCESSED
*Baker Castor Oil Co
*Sherwin-Williams Co
*L Sonneborn Sons
*Jacques Wolf & Co
*Atlas Refinery Inc
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Emkay Chem Co
*Spencer Kellogg & Sons
*Marden-Wild Corp
*Marlowe-Van Loan Corp
*Neatsfoot Oil Refineries Corp
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton Co
*Titan Chem Products

OIL, CASTOR, SULFONATED see Oil, Turkey Red

OIL, CEDAR WOOD
George Lueders & Co
*Schimmel & Co

OIL, CHINA see also Balsam, Peruvian
Degen Oil & Chem Co

OIL, CHINA WOOD (Tung Oil, Chinese-Wood Oil, Nut Oil)
H J Baker & Bro
►Barclay Chem Co
Brazilian Industrial Oils
Kraft Chem Co
Welch, Holme & Clark Co
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton Co
*Werner G Smith, Inc

OIL, CHINESE BEAN see Oil, Soya Bean

OIL, CHINESE WOOD see Oil, China Wood

OIL, CITRONELLA
Florasynth Labs
George Lueders & Co
*S B Penick & Co
*Glidden Co
*Polak's Frutal Works
*Schimmel & Co

OILS, CITRUS SEED
*Hutchman Co

OIL, CLOVE (Amboyna, Caryophil Oil)
Floraysnth Labs
*George Lueders & Co
*S B Penick & Co
*Dodge & Olcott
*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

OILS, COAL NEUTRAL
►*Allied Chem Corp, Plastics & Coal Chems Div
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
*Coopers Creek Chem Corp
*Crowley Tar Products Co

OIL, COCONUT (Coconut Butter, Coconut Palm Oil, Cocos Oil)
*Acme-Hardesty Co
Brazilian Industrial Oils
*Bristol Labs
Degen Oil & Chem Co
Sessions-Gifford Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton

OIL, COCONUT, SULFONATED
*Finetex Inc
►*M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
Welch, Holme & Clark Co
*Atlas Refinery Inc
*Emkay Chem Co
*Marden-Wild Corp
*Reilly-Whiteman-Walton
*Seaboard Chems
*Arthur C Trask Co

OIL, COD
H J Baker & Bro
►*Nopco Chem Co
*Atlas Refinery Inc
*Marden-Wild Corp
*Reilly-Whiteman-Walton
*Seaboard Chems
*Whitmoyer Labs

OIL, COD, SULFONATED
*Finetex Inc
►*Nopco Chem Co
*Jacques Wolf & Co
*Atlas Refinery Inc
*Fiber Chem Corp
*Marden-Wild Corp
*Reilly-Whiteman-Walton
*Seaboard Chems
*Arthur C Trask Co
*W A Wood Co

OIL, COD LIVER (Banks Oil, Morrhua Oil, Oleum Morrhuae)
*Chas L Huisking & Co
McKesson & Robbins, Inc, Chem Dept
*Vitamins, Inc
*Atlas Refinery Inc
*Marine Products Co
*Whitmoyer Labs

OIL, COLZA see Oil, Rapeseed

OIL, CORN (Maize Oil)
*Acme-Hardesty Co
Welch, Holme & Clark Co
*Clinton Corn Processing Co
*National Starch & Chem Corp
*Reilly-Whiteman-Walton Co
*A E Staley Mfg Co

OIL, COTTONSEED (Seed Oil, Cotton-seed, Oleum Gossypil Seminis)
*Acme-Hardesty Co
Howe & French Inc
Welch, Holme & Clark Co
*Spencer Kellogg & Sons
*Pacific Vegetable Oil Corp
*Wesson Oil & Snowdrift Co

OIL, CREOSOTE see Creosote, Coal-Tar

OILS, CUTTING
*American Oil & Supply Co
*Emery Industries
*Esso Standard Oil Co
►*M Michel & Co
►*Nopco Chem Co
►Peerless Oil & Chem Corp
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Chems Co
*Jacques Wolf & Co
*Atlantic Refining Co
*Atlas Refinery Inc
*James V Bibbo Co
*E F Houghton & Co
*Harry Miller Corp
*Neatsfoot Oil Refineries Corp
*Oakite Products
*Oil-Kraft, Inc
*Pennsylvania Refining Co
*Geo Pfau's Sons Co
*Reilly-Whiteman-Walton Co
*Rex Oil & Chem Co
*G Whitfield Richards
*Riverside Chem Co
*United States Petro-chem Co
*White & Bagley Co
*W A Wood Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

PRICE, QUALITY, SERVICE
Technical and Edible
oils
- Castor
- Cocoanut
- Corn
- Cottonseed
- Lard
- Linseed
- Mineral
- Neatsfoot
- Olive
- Palm
- Peanut U.S.P.
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- Rice Bran
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OILS, DRYING, SYNTHETIC
*Baker Castor Oil Co
*Degen Oil & Chem Co
*Phillips Petroleum Co, Special Products Div
►*Sun Oil Co
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Spencer Kellogg & Sons
*Velsicol Chem Corp
*Woburn Chem Corp
*G S Ziegler & Co

OIL, EARTHNUT see **Oil, Peanut**

OILS, EMULSIFYING
►*Continental Oil Co
*Emery Industries
*Esso Standard Oil Co
*Finetex Inc
*Kessler Chem Co
►*M Michel & Co
►*Nopco Chem Co
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Chems Co
*Jacques Wolf & Co
*Amalgamated Chem Corp
*Archer-Daniels-Midland Co
*Arol Chem Products
*Atlantic Refining Co
*Atlas Refinery Inc
*Borne Chem Co
*Bryant Chem Corp
*California Spray-Chem Corp
*Colgate-Palmolive Co
*Dominion Products
*Du Bois Co
*Eastern Color & Chem Co
*Emkay Chem Co
*Fiber Chem Corp
*Hodag Chem Corp
*E F Houghton & Co
*Spencer Kellogg & Sons
*Klem Chem
*Marden-Wild Corp
*Marlowe-Van Loan Corp
*Harry Miller Corp
*Neatsfoot Oil Refineries Corp
*Octagon Process, Inc
*Oil-Kraft, Inc
*Pennsylvania Refining Co
*Reilly-Whiteman-Walton Co
*Rex Oil & Chem Co
*G Whitfield Richards
*Seaboard Chems
*Swift & Co
*Titan Chem Products
*United States Petrochem Co
*Warwick Chem Co Div
*White & Bagley Co
*Wica Chem
*Wye Industries

OILS, ESSENTIAL
►Baird Chem Industries, Inc
Florasynth Labs
*Givaudan
*George Lueders & Co
*S B Penick & Co
*Alpine Aromatics
*Fritzsche Bros
*Glidden Co
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co
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►Aceto Chem Co
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George Uhe Co
*Glidden Co
*Schimmel & Co

OILS, FISH
H J Baker & Bro
*Emery Industries
Vitamins, Inc
Welch, Holme & Clarke Co
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Crownoil Chem Co
*Marden-Wild Corp
*Marine Products Co
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton
*Werner G Smith, Inc
*Wallace Fisheries Inc
*Whitmoyer Labs

OILS, FISH, BLOWN
*Degen Oil & Chem Co
►*Nopco Chem Co
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Crownoil Chem Co
*Marden-Wild Corp
*Neatsfoot Oil Refineries
*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton Co
*Werner G Smith, Inc

OILS, FISH, HYDROGENATED
*Acme-Hardesty Co
*Darling & Co
►*HumKo-Div
►*M Michel & Co
*Var-Lac-Oid Chem Co
*Archer-Daniels-Midland Co
*Werner G Smith, Inc
*Swift & Co
*Woburn Chem Co

OILS, FISH, KETTLE-BODIED
*Degen Oil & Chem Co
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Crownoil Chem Co
*Pacific Vegetable Oil Corp
*Werner G Smith, Inc
*Arthur C Trask Co

OILS, FISH LIVER
R W Greeff & Co
*Chas L Huisking & Co
*Vitamins, Inc
*Atlas Refinery Inc
*Collet-Week Corp
*Marine Products Co
*Whitmoyer Labs

OIL, FLAXSEED see Oil, Linseed

OIL, FLORENCE see Oil, Olive

OILS, FLUOROCARBON
►*E I du Pont de Nemours & Co, "Freon" Products Div
*Halocarbon Products Corp
*Peninsular ChemResearch

OILS, FROTHING
►*M Michel & Co

OIL, FUSEL (Amyl Alcohol, Grain Oil, Potato Oil, Potato Spirit)
►Aceto Chem Co
DeMert & Dougherty, Inc
Howe & French Inc
George Lueders & Co
Tar Residuals
*Schimmel & Co

OIL, GAULTHERIA
*S B Penick & Co

OIL, GERANIUM
Florasynth Labs
Chas L Huisking & Co
George Lueders & Co
S B Penick & Co
*Polak's Frutal Works
*Schimmel & Co

OIL, GIGILY see Oil, Sesame

OIL, GRAIN see Oil, Fusel

OIL, HARTSHORN see Oil, Bone

OIL, HERRING
H J Baker & Bro
*Emery Industries
*Vitamins, Inc
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Werner G Smith, Inc
*Whitmoyer Labs

OIL, HOOF see Oil, Neatsfoot

OILS, HYDROGENATED
*Fallek Products Co
►*HumKo-Div
*Lever Bros Co
►*M Michel & Co
Var-Lac-Oid Chem Co
►*Wilson-Martin (Div Wilson & Co)
*Archer-Daniels-Midland Co
*Swift & Co
*Wesson Oil & Snowdrift Co
*Woburn Chem Corp

OIL, JAPAN FISH see Oil, Sardine

OIL, KATCHUNG see Oil, Peanut

OIL, LANOLIN
*Croda, Inc
*Fanning Chem Corp
*Hummel Chem Co
McKesson & Robbins, Inc, Chem Dept
RITA Chem Corp
*Lanaetex Products
*Malmstrom Chem Corp
*N I Malmstrom & Co
*Robinson Wagner Co

OIL, LARD
*American Oil & Supply Co
►*Armour Industrial Chem Co
*Emery Industries
*Marcus Ruth Jerome Co
Welch, Holme & Clark Co
*Atlas Refinery Inc
*Hodag Chem Corp
*Neatsfoot Oil Refineries Corp
*Geo Pfau's Sons Co
*Reilly-Whiteman-Walton Co
*Swift & Co

OIL, LAVENDER
George Lueders & Co
*S B Penick & Co
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co

OIL, LEMON
Florasynth Labs
George Lueders & Co
S B Penick & Co
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co
*R D Webb & Co

OIL, LINSEED (Boiled Oil, Flaxseed Oil, Linnen Seed, Oleum Lini)
►Barclay Chem Co
Brazilian Industrial Oils
*Degen Oil & Chem Co
DeMert & Dougherty, Inc
Kraft Chem Co
*National Lead Co
Sessions-Gifford Co
*Sherwin-Williams Co
Welch, Holme & Clark Co
*Archer-Daniels-Midland
*Carroll Ltd
*Crownoil Chem Co
*Spencer Kellogg & Sons
*Pacific Vegetable Oil Corp

OIL, LIQUID PATCH see Creosote, Coal-Tar

OILS, LUBRICATING
*American Oil & Supply Co
►*Armour Industrial Chem Co
*Dow Corning Corp
*Emery Industries
*Esso Standard Oil Co
►*Monsanto Chem Co
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Corp, Silicones Div
*Atlantic Refining Co
*Atlas Refinery Inc
*Borne Chem Co
*Harry Miller Corp
*New York & New Jersey Lubricant Co
*Octagon Process, Inc
*Oil-Kraft, Inc
*Pennsylvania Refining Co
*Riverside Chem Co
*United States Petrochem Co
*White & Bagley Co

OIL, MACE
Florasynth Labs
*George Lueders & Co
*S B Penick & Co
*Dodge & Olcott
*Schimmel & Co
*R D Webb & Co

OIL, MAIZE see Oil, Corn

OIL, MANDARIN
Florasynth Labs
George Lueders & Co
*S B Penick & Co
*Crownoil Chem Co
*Polak's Frutal Works
*Schimmel & Co
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Welch, Holme & Clark Co
*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Werner G Smith, Inc
*Wallace Fisheries Co
*Whitmoyer Labs

OIL, MINERAL (Liquid Paraffin, White Mineral Oil, White Oil, Paraffin Oil)
*American Oil & Supply Co
►*Continental Oil Co
*Esso Standard Oil Co
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
*L Sonneborn Sons
►*Sun Oil Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co
*Atlantic Refining Co
*Mineral Oil Refining Co
*New York & New Jersey Lubricant Co
*Pennsylvania Refining Co
*United States Petrochem Co
*Wallace Fisheries Co

OIL, MIRBANE see Nitrobenzene

OIL, MORRHUA see Oil, Cod Liver

OIL, MOSSBUNKER see Oil, Menhaden

OIL, MUSTARD SEED
Degen Oil & Chem Co
Florasynth Labs
*Morton Chem Co
S B Penick & Co
Welch, Holme & Clark Co
*Old Dutch Mustard Co
*Schimmel & Co

OIL, NEATSFOOT (Hoof Oil, Oleum Bubulum)
►*Armour Industrial Chem Co
►Barclay Chem Co
International Commodities Corp
Welch, Holme & Clark Co
*Atlas Refinery Inc
*Neatsfoot Oil Refineries Corp
*Geo Pfau's Sons Co
*Reilly-Whiteman-Walton Co
*Seaboard Chem
*Swift & Co

OIL, NEATSFOOT, SULFONATED
*Diamond Alkali Co
►*Nopco Chem Co
Welch, Holme & Clark Co
*Jacques Wolf & Co
*Atlas Refinery Inc
*Fiber Chem Corp
*Marden-Wild Corp
*Neatsfoot Oil Refineries Corp
*Reilly-Whiteman-Walton Co
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*Swift & Co
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OIL OF NIOBE see Methyl Benzoate

OIL, NUTMEG
Florasynth Labs
*George Lueders & Co
*S B Penick & Co
*Dodge & Olcott
*Fritzsche Bros
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co
*R D Webb & Co

OIL, OITICICA
Brazilian Industrial Oils
*Degen Oil & Chem Co
International Commodities Corp

OIL, OLIVE (Florence Oil, Luccu Oil, Oleum Olivae)
Welch, Holme & Clark Co
*Reilly-Whiteman-Walton Co

OIL, OLIVE, BROMINATED
*Abbott Labs
*V & E Kohnstamm Inc
*Swift & Co

OIL, OLIVE, FOOTS
Welch, Holme & Clark Co

OIL, OLIVE, SULFONATED
►*Nopco Chem Co
*Jacques Wolf & Co
*Atlas Refinery Inc
*Emkay Chem Co
*Reilly-Whiteman-Walton
*Seaboard Chem
*Arthur C Trask Co

OIL, ORANGE
►Baird Chem Industries, Inc
Florasynth Labs
George Lueders & Co
*S B Penick & Co
*V & E Kohnstamm Inc
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co
*R D Webb & Co

OIL, PALM (Palm Butter, Palm Grease, Oleum Palmae)
►Barclay Chem Co
Welch, Holme & Clark Co

OIL, PALM KERNEL (Palm Nut Oil)
Dura Commodities Corp
*S B Penick & Co
*Pacific Vegetable Oil Corp

OIL, PALM NUT see Oil, Palm Kernel

OIL, PARAFFIN see Oil, Mineral

OIL, PATCHOULI
Florasynth Labs
*George Lueders & Co
*S B Penick & Co
*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

OIL, PEANUT (Arachis Oil, Earthnut Oil, Groundnut Oil, Katchung Oil)
*Darling & Co
Welch, Holme & Clark Co

OIL, PEAR see Amyl Acetate

OILS, PENETRATING
*American Oil & Supply Co
*Degen Oil & Chem Co
►M Michel & Co
►*Sun Oil Co
*Union Carbide Chems Co
*Kano Labs
*Harry Miller Corp
*Oil-Kraft, Inc
*Pennsylvania Refining Co
*United States Petrochem Co
*White & Bagley Co
*Wye Industries

OIL, PEPPERMINT
Florasynth Labs
George Lueders & Co
*S B Penick & Co
*A M Todd Co
*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

OILS, PERFUME
*Florasynth Labs
*Givaudan
*George Lueders & Co
*S B Penick & Co

*Alpine Aromatics
*Felton Chem Co
*Fritzsche Bros
*Polak's Frutal Works
*Polarome Mfg Co
*Schimmel & Co

OIL OF PERSIC see Oil, Apricot Kernel

OIL, PETITGRAIN
Florasynth Labs
George Lueders & Co
*S B Penick & Co

*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

OIL, PINE
S L Abbot Co
*American Cyanamid Co, Organic Chem Div
Browning Chem Corp
DeMert & Dougherty, Inc
Florasynth Labs
Harwick Standard Chem Co
*Heyden Newport Chem Corp
George Lueders & Co
*S B Penick & Co
Republic Chem Corp
Sessions-Gifford Co
J U Starkweather Co
Thompson-Hayward Chem Co
Welch, Holme & Clark Co

*Southern Naval Stores Div
*Schimmel & Co
*R D Webb & Co

OIL, PINE-TAR see Oil, Tar, Wood

OILS, PLASTICIZING
*American Oil & Supply Co
*Baker Castor Oil Co
►*Continental Oil Co
*Degen Oil & Chem Co
*Esso Standard Oil Co
Harwick Standard Chem Co
*Kessler Chem Co
►*M Michel & Co
*Neville Chem Co
►*Nopco Chem Co
*Pennotex Oil Corp
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
*L Sonneborn Sons
►*Sun Oil Co

*Atlantic Refining Co
*Atlas Refinery Inc
*Crowley Tar Products Corp
*C P Hall Co
*Harry Miller Corp
*Pennsylvania Refining Co
*Shell Oil Co

OIL, POGY see Oil, Menhaden

OIL, POTATO see Oil, Fusel

OIL, RAPESEED (Colza Oil, Rape Oil)
*Degen Oil & Chem Co
Welch, Holme & Clark Co

*Pacific Vegetable Oil Corp
*Reilly-Whiteman-Walton Co

OIL, RED see Acid, Oleic

OIL, RICINUS see Oil, Castor

OIL, ROSEWOOD
George Lueders & Co
S B Penick & Co

*Schimmel & Co

OIL, ROSIN (Codoil, Retinol, Rosinol)
*American Oil & Supply Co
*National Rosin Oil Products
Thompson-Hayward Chem Co

*Zophar Mills

OILS, RUBBER RECLAIMING
►*Allied Chem Corp, Plastics & Coal Chems Div
*American Oil & Supply Co
*Esso Standard Oil Co
Harwick Standard Chem Co
*National Rosin Oil Products
*Neville Chem Co
*Pennotex Oil Corp
*Pennsylvania Industrial Chem Corp
►*Sun Oil Co
*Union Carbide Chems Co

*Atlantic Refining Co
*Crowley Tar Products Corp
*C P Hall Co
*Velsicol Chem Corp

OIL, RUE
Florasynth Labs
*S B Penick & Co

OIL, SAFFLOWER
*Degen Oil & Chem Co
Welch, Holme & Clark Co

*Pacific Vegetable Oil Corp
*A E Staley Mfg Co

OIL, SANDALWOOD
Florasynth Labs
*George Lueders & Co
*S B Penick & Co

*Schimmel & Co
*R D Webb & Co

OIL, SARDINE (Oil, Japan Fish)
H J Baker & Bro

*Pacific Vegetable Oil Corp
*Werner G Smith, Inc

OIL, SEAL
*Atlas Refinery Inc
*Marden-Wild Corp

OIL, SEED see Oil, Cottonseed

OIL, SESAME (Beni Oil, Benne Oil, Gigily Oil, Gingili Oil, Teal Oil, Teel Oil)
*Vitamins, Inc
Welch, Holme & Clark Co

*Pacific Vegetable Oil Corp

OIL, SHARK see Oil, Shark Liver

OIL, SHARK LIVER (Shark Oil)
*Vitamins, Inc

*Collett-Week Corp

OILS, SILICONE
*American Oil & Supply Co
►Barclay Chem Co
*Dow Corning Corp
*General Elec Co, Silicone Products
Harwick Standard Chem Co
*Union Carbide Corp, Silicones Div

*Anderson Chem Co
*Emkay Chem Co
*Hodag Chem Corp
*Tracerlab Inc

OIL, SOD see Degras

OIL, SOJA BEAN see Oil, Soya Bean

OIL, SOLUBLE see Oils, Emulsifying

OILS, SOLVENT
►*Allied Chem Corp, Plastics & Coal Chems Div
*American Oil & Supply Co
*Esso Standard Oil Co
►*M Michel & Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
Petroleum Specialties
*Phillips Petroleum Co, Special Products Div
►*Sun Oil Co
*Union Carbide Chems Co

*Arol Chem Produtcs
*Atlantic Refining Co
*Crowley Tar Products Corp
*Eastern States Petroleum & Chem Corp
*Emkay Chem Co
*Harry Miller Corp
*Oakite Products
*Pennsylvania Refining Co
*United States Petrochem Co

OIL, SOY see Oil, Soya Bean

OIL, SOYA BEAN (Chinese Bean Oil, Bean Oil, Soja Bean Oil, Soy Oil)
*Acme-Hardesty Co
Welch, Holme & Clark Co

*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Hodag Chem Corp
*Spencer Kellogg & Sons
*Pacific Vegetable Oil Corp
*A E Staley Mfg Co
*Wesson Oil & Snowdrift Co

OIL, SPEARMINT
Florasynth Labs
George Lueders & Co
S B Penick & Co
*A M Todd Co

*Polak's Frutal Works
*Schimmel & Co
*R D Webb & Co

OIL, SPERM
S L Abbott Co
H J Baker & Bro
Frank G Fanning Co
Welch, Holme & Clark Co

*Archer-Daniels-Midland Co
*Atlas Refinery Inc
*Neatsfoot Oil Refineries Corp
*Reilly-Whiteman-Walton Co
*Seaboard Chem
*Werner G Smith, Inc
*Swift & Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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OIL, SPERM, SULFONATED

►*Nopco Chem Co
*Jacques Wolf & Co

*Atlas Refinery Inc
*Emkay Chem Co
*Fiber Chem Corp
*Neatsfoot Oil Refineries Corp
*Reilly-Whiteman-Walton
*Seaboard Chem
*Swift & Co
*Arthur C Trask Co
*W A Wood Co

OIL, STILLINGIA see OIL, Tallow

OILS, STYRENATED

*Degen Oil & Chem Co
*Spencer Kellogg & Sons
*Woburn Chem Corp

OIL SUBSTITUTES, SULFONATED

►Barclay Chem Co
►*M Michel & Co

*Atlas Refinery Inc
*Hart Products Corp
*Reilly-Whiteman-Walton
*Scholler Bros
*Arthur C Trask Co

OIL, SULFONATED

*American Cyanamid Co, Organic Chem Div
*American Oil & Supply Co
►Barclay Chem Co
*Diamond Alkali Co
*Finetex Inc
►*M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
RITA Chem Corp
*L Sonneborn Sons
►*Sun Oil Co
►*Tennessee Corp
Welch, Holme & Clark Co
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Atlas Refinery Inc
*Borne Chem Co
*Bryant Chem Corp
*Crown Chem Corp
*Eastern Color & Chem Co
*Emkay Chem Co
*Fiber Chem Corp
*E F Houghton & Co
*Marden-Wild Corp
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Neatsfoot Oil Refineries Corp
*Reilly-Whiteman-Walton Co
*Royce Chem Co
*Scher Bros
*Scholler Bros
*Seaboard Chem
*Swift & Co
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*Warwick Chem Co Div
*Wica Chem
*W A Wood Co

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OILS, SULFURIZED

*American Oil & Supply Co
*Carlisle Chem Works
*Esso Standard Oil Co
►M Michel & Co
RITA Chem Corp

*Harry Miller Corp
*Neatsfoot Oil Refineries Corp
*G Whitfield Richards
*White & Bagley Co

OIL, SUNFLOWER

Welch, Holme & Clark Co

*Pacific Vegetable Oil Corp

OIL, TALL

S L Abbot Co
►American-British Chem Supplies
*Arizona Chem Co
*Emery Industries
International Commodities Corp
Kraft Chem Co
McKesson & Robbins, Inc, Chem Dept
Sessions-Gifford Co
Smith Chem & Color Co
*Union Bag-Camp Paper Corp
Welch, Holme & Clark Co

*Buckeye Cellulose Corp
*Crossett Chem Co
*Glidden Co
*Rayonier, Inc
*K A Steel Chems
*W Va Pulp & Paper Co, Industrial Chem Sales Div

OIL, TALLOW (Tallow Seed Oil, Stillingia Oil)

*Acme-Hardesty Co
►*Armour Industrial Chem Co
*Darling & Co
*Marcus Ruth Jerome Co

*Atlas Refinery Inc
*Milbrew Co
*Neatsfoot Oil Refineries Corp
*Geo Pfau's Sons Co
*Reilly-Whiteman-Walton
*Swift & Co

OIL, TALLOW, ACIDLESS

►*Armour Industrial Chem Co
*Darling & Co
►*HumKo-Div
*Marcus Ruth Jerome Co
Welch, Holme & Clark Co

*Atlas Refinery Inc
*Neatsfoot Oil Refineries Corp
*Geo Pfau's Sons Co
*Reilly-Whiteman-Walton Co
*Swift & Co

OIL, TALLOW SEED see Oil, Tallow

OIL, TAR-ACID see Acids, Tar

OIL, TAR, COAL see Creosote, Coal-Tar

OIL, TAR, RECTIFIED

*S B Penick & Co
*Crossett Chem Co

OIL, TAR, WOOD

*Godfrey L Cabot
*Crowley Tar Products Corp
*Glidden Co
*Tennessee Products & Chem Corp

OIL, TEAL see Oil, Sesame

OIL, TEASEED

*Reilly-Whiteman-Walton Co

OIL, TEASEED, SULFONATED

*Finetex Inc
*Jacques Wolf & Co

*Atlas Refinery Inc
*Emkay Chem Co
*Reilly-Whiteman-Walton
*Arthur C Trask Co

OIL, TEEL see Oil, Sesame

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

OILS, TERPENELESS

Florasynth Labs
*Givaudan
*George Lueders & Co
*S B Penick & Co
*Van Ameringen-Haebler Div

*Dodge & Olcott
*Felton Chem Co
*Fritzsche Bros
*V & E Kohnstamm Inc
*Schimmel & Co
*R D Webb & Co

OILS, TEXTILE

*American Cyanamid Co, Organic Chem Div
►*Continental Oil Co
*Emery Industries
*Esso Standard Oil Co
*Finetex Inc
►*M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*Pennotex Oil Corp
*L Sonneborn Sons
►*Sun Oil Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Borne Chem Co
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Crown Chem Corp
*Eastern Color & Chem Co
*Hart Products Corp
*E F Houghton & Co
*Joy Chem Co
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Neatsfoot Oil Refineries Corp
*Pennsylvania Refining Co
*Procter & Gamble Co
*Reilly-Whiteman-Walton Co
*Royce Chem Co
*Scher Bros
*Scholler Bros
*Titan Chem Products
*Warwick Chem Co Div
*White & Bagley Co
*Wica Chem
*W A Wood Co

OIL, THEOBROMA

Chas L Huisking & Co

OIL, TIL see Oil, Sesame

OIL, TUNG see Oil, China Wood

OIL, TURKEY RED (Alizarine Assistant; Castor Oil, Soluble; Castor Oil, Sulfonated)

S L Abbot Co
*Finetex Inc
*Maher Color & Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*L Sonneborn Sons
Welch, Holme & Clark Co
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Atlas Refinery Inc
*Bryant Chem Corp
*Carlstadt Chem Co
*Crown Chem Corp
*Emkay Chem Co
*Fiber Chem Corp
*E F Houghton & Co
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Reilly-Whiteman-Walton Co
*Scholler Bros
*Seaboard Chem
*Swift & Co
*Arthur C Trask Co
*Wica Chem

OIL, TURPENTINE

DeMert & Dougherty, Inc
*S B Penick & Co

*Archer-Daniels-Midland
*Carroll Ltd
*Crossett Chem Co

OILS, VEGETABLE

City Chem Corp
Degen Oil & Chem Co
Chas L Huisking & Co
*Sherwin-Williams Co
Welch, Holme & Clark Co

*Archer-Daniels-Midland Co
*Atlas Refinery, Inc
*Hutchman Co
*Spencer Kellogg & Sons
*A E Staley Mfg Co
*Wesson Oil & Snowdrift Co

OIL OF VITRIOL see Acid, Sulfuric

OIL, WALNUT

Welch, Holme & Clark Co

*Pacific Vegetable Oil Corp

OIL, WHALE

*Atlas Refinery Inc

OIL, WHEAT GERM

Chas L Huisking & Co
Petroleum Specialties
*L Sonneborn Sons
Welch, Holme & Clark Co
*Vitamins, Inc

*General Mills, Special Commodities Div
*Freeman Industries

OIL, WHITE MINERAL see Oil, Mineral

OIL, WINTERGREEN, NATURAL see Oil, Gaultheria

OIL, WINTERGREEN, SYNTHETIC see Methyl Salicylate

OILS, WOOL SCOURING

►*Continental Oil Co
*Esso Standard Oil Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*L Sonneborn Sons
*Union Carbide Chems Co
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Borne Chem Co
*Burkart-Schier Chem Co
*E F Houghton & Co
*Marlowe-Van Loan Corp
*Harry Miller Corp
*Procter & Gamble Co
*Reilly-Whiteman-Walton Co
*Scher Bros
*Scholler Bros
*Titan Chem Products
*White & Bagley Co
*Wica Chem

OIL, YLANG YLANG

Florasynth Labs
George Lueders & Co
S B Penick & Co

*Polak's Frutal Works

OLEFINS

►Enjay Co
*Farchan Research Labs
*Gulf Oil Corp, Petrochems Dept

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*Company classifies itself as producer
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OLEFINS (continued)

►*Humphrey-Wilkinson
*Morton-Withers Chem Co
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
►*Sun Oil Co

*Archer-Daniels-Midland
*Atlantic Refining Co
*Union Carbide Olefins Co

OLEIN see Glyceryl Trioleate

OLEUM (Fuming Sulfuric Acid)

►*American Cyanamid Co, Industrial Chem Div
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Dixon Chem & Research
Lotte Chem Corp
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co
►*Stauffer Chem Co
►*Tennessee Corp
►*U S Industrial Chem Co Div

*Apache Powder Co
*Central Chem Div
*Consolidated Chem Industries
*E I du Pont de Nemours & Co, Grasselli Chem
*Ozark-Mahoning Co

OLIBANUM

Meer Corp
S B Penick & Co

*Felton Chem Co

OPACIFIERS, COSMETIC

►*Borden Chem Co
*Kessler Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
►*M Michel & Co
RITA Chem Corp
Sole Chem Corp
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Geigy Industrial Chems Div
*C P Hall Co
*New Jersey Zinc Co

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OPACIFIERS, ENAMEL

►Berkshire Chems Inc
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Metal & Thermit Corp
►*Titanium Alloy Mfg Div
►*Vitro Mfg Co

*Glidden Co

OPACIFIERS, GLASS

►Berkshire Chems Inc
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Metal & Thermit Corp
►*Vitro Mfg Co

*Glidden Co

OPIUM

*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co

OPTICAL BLEACHES

*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Carlisle Chem Works
*Ciba Co
*Geigy Dyestuffs Div
*Hilton-Davis Chem Co Div
*Maher Color & Chem Co

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fiber Chem Corp
*Geigy Industrial Chems Div
*Hagan Chem & Controls
*Nyanza Color & Chem Co
*Scher Bros
*Scholler Bros
*Verona-Pharma Chem Corp

ORANGE CADMIUM see Cadmium Sulfide

ORCINOL

►*Allied Chem Corp, National Aniline Div
City Chem Corp
*Eastern Chem Corp
*Eastman Organic Chems

ORGANIC CHEMICALS see Fine Chemicals, Research Chemicals, Organo-Metallic Chemicals and/or specific chemical

ORGANO-METALLIC COMPOUNDS

*Arapahoe Chem
*Argus Chem Corp
*Carlisle Chem Works
*Central Research Labs
City Chem Corp
*Dow Chem Co
*Eastern Chem Corp
*K & K Labs
*Kolker Chem Corp
►*Metal & Thermit Corp
*Metalsalts Corp
►*Nopco Chem Co
*Nuodex Products Co
*Pfanstiehl Labs
►*Stauffer Chem Co
*Union Carbide Chems Co
*Var-Lac-Oid Chem Co

*Anderson Chem Co
*Bram Metal-Chem Co
*Chemo Puro Mfg Corp
*Climax Molybdenum Co
*Geigy Industrial Chems Div
*Kaplop Labs
*Koppers Co, Plastics Div
*MacKenzie Chem Works
*Norton Chem Works
*Peninsular ChemResearch
*Troy Chem Co

ORGANOSOLS

*Diamond Alkali Co
►*Metal & Thermit Corp
*Morningstar-Paisley, Inc
*Sherwin-Williams Co

*Chemical Coatings & Engrg Co
*Chemical Products Corp (RI)
*Interchem Corp, Finishes Div

ORIENT YELLOW see Cadmium Sulfide

ORPIMENT see Arsenic Trisulfide

ORTHOCLASE see Feldspar

ORTHOFORM see Methyl-m-Amino-p-Hydroxybenzoate

OSMIUM, METAL

Chemical Commerce
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Oid Chem Co

*J Bishop & Co Platinum Works
*Bram Metal-Chem Co
*Engelhard Industries
*Metals & Controls Corp
*J A Samuel & Co

OSMIUM TETROXIDE

City Chem Corp
*Eastman Organic Chems
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co

*J A Samuel & Co

OVALBUMIN see Albumin, Egg

OXAMIDE

►*Allied Chem Corp, General Chem Div
*Arapahoe Chem
*City Chem Corp
*Eastern Chem Corp

*Chemo Puro Mfg Corp

OXAMMONIUM see Hydroxylamine

OX GALL (Fel Bovis)

►*Aceto Chem Co
*Armour Pharmaceutical Co
R W Greeff & Co

*Wilson Labs

OXIDANTS, OZONE

*Welsbach Corp

OXONE see Sodium Peroxide

p,p'-OXYBIS (BENZENESULFONYLHYDRAZINE)

*Naugatuck Chem Div

3,3'-OXYDIPROPIONITRILE

*American Cyanamid Co, Market Development Dept

OXYGEN, GAS

*Linde Co
*McGraw-Edison
*Southern Oxygen Co
*Ohio Chem & Surgical Equipment Co Div

OXYGEN, LIQUID

*Metalsalts Corp
*Linde Co
*National Cylinder Gas Div
*Ohio Chem & Surgical Equipment Co Div
*Southern Oxygen Co

OXYMETHYLENE see Formaldehyde

OXYQUINOLINE see 8-Hydroxyquinoline

OZOKERITE, PURIFIED see Wax, Ceresin

P

PAINT BASES

*Alkydol Labs
►Barclay Chem Co
►*Colton Chem Co
*Degen Oil & Chem Co
*Dow Chem Co
*Dow Corning Corp
*Hilton-Davis Chem Co Div
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*Neville Chem Co
Nitrogen Products, Inc
►*Philadelphia Quartz Co
►*Reichhold Chems Inc
►*Rohm & Haas Co
*Sartomer Resins, Inc
*Sherwin-Williams Co
*Stein, Hall & Co
*Union Carbide Corp, Silicones Div

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Archer-Daniels-Midland
*Bell-Ray Chem Corp
*Carroll Ltd
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Illinois Minerals Co
*Koppers Co, Plastics Div
*National Starch & Chem Corp
*Pennsylvania Color & Chem Co
*Rowe Products, Inc
*Rubba, Inc
*Schenectady Varnish Co
*G S Ziegler & Co

PAINT BASES, MILDEWPROOF

*W A Cleary Corp
►*Monsanto Chem Co
*Sherwin-Williams Co

*Adhesive Products Corp
*Allied Finishing Specialties
*Carroll Ltd
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Norton Chem Works
*Rowe Products, Inc
*Rubba, Inc
*Scientific Oil Compounding Co
*Tropical Paint Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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H-W SATURATED HYDROCARBONS
(Alkanes of 98% Minimum Purity)

R—H ALKANE	Boiling Point °C.	
	Pure*	Spec. Range
n - Hexane	68.7	68—69
n - Heptane	98.4	97—99
n - Octane	125.7	125—26
3 - Methyl Heptane	118.9	118—20
n - Decane	174.1	173—75
n - Dodecane	216.3	215—17
n - Tetradecane	253.5	252—54
n - Hexadecane	286.5	285—87
n - Octadecane	317.9	316—19
n - Eicosane	205/15	203-06/15
n - Docosane	230/15	227-31/15

*Best literature value for pure compound.

H-W OLEFINS
(Ethylenic Hydrocarbons of 98% Minimum Purity)

HC=CHR ALKENE	Boiling Point °C.	
	Pure	Spec. Range
1 - Hexene	63.5	62-64
2 - Methyl-1-Pentene	62.2	61-63
4 - Methyl-2-Pentene	55.0	54-56
2 - Ethyl-1-Butene	65.0	64-66
1 - Heptene	93.6	92-94
1 - Octene	121.3	120-22
2 - Octene	——	122-26
2 - Ethyl-1-Hexene	121	120-22
1 - Decene	170.6	169-71
1 - Dodecene	213.4	212-14
1 - Tetradecene	127/15	126-28/15
1 - Hexadecene	284.9	284-86
1 - Octadecene	180/15	179-81/15

H-W ALKYL HALIDES
(Higher Aliphatic Halides of 97% Minimum Purity)

R—X	CHLORIDES		BROMIDES	
ALKYL GROUP	F.P. °C.	B.P. °C.	F.P. °C.	B.P. °C.
n - Hexyl	—94	134.5	—85	155.5
n - Heptyl	—69.5	159.5	—58.1	180.0
n - Octyl	—61	183	—55.0	201.5
n - Decyl	—34	223	—29.6	117.5/15
n - Dodecyl	—14.5	243.5	— 9.6	130/6
n - Tetradecyl	— 0.2	154-5/15	5.7	175-8/20
n - Hexadecyl	13	176-80/6	17.8	188/10
n - Octadecyl	21	215/15	27.4	214-16/12

H-W SATURATED HIGHER ALCOHOLS*
(Primary Alkanols of 90% Minimum Purity)

R—OH Saturated Alcohol	Freezing Point, °C.		Boiling Point, °C.	
	Pure	Spec. Range	Pure	Spec. Range
1 - Hexanol	—51.6	—53 to —51	157.2	156-158
1 - Heptanol	—34.6	—36 to —34	176.3	175-177
1 - Octanol	—16.0	—18 to —16	194.5	193-195
1 - Decanol	6.9	5-7	231.0	230-232
1 - Dodecanol	24.0	22-24	259.0	258-260
1 - Tetradecanol	38.5	36-38	167-70/15	166-71/15
1 - Hexadecanol	49.6	47-49	190/15	189-91/15
1 - Octadecanol	58.0	56-58	210/15	209-11/15

*All products specially refined.

H-W ALKYL MERCAPTANS
(Higher Aliphatic Mercaptans of 95% Minimum Purity)

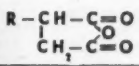
R—SH ALKANE THIOL	Boiling Point, °C.	
	Pure*	Spec. Range
n - Hexyl Mercaptan	152-53	151-54
n - Heptyl Mercaptan	174-75/765	173-76/765
n - Octyl Mercaptan	199.1	197-200
n - Decyl Mercaptan	114/13	113-15/13
n - Dodecyl Mercaptan	153-55/24	152-56/24
n - Tetradecyl Mercaptan	176-80/22	175-81/22
n - Hexadecyl Mercaptan	185-90/7	184-91/7
n - Octadecyl Mercaptan	204-10/11	204-10/11

*Best literature value for pure compound.

H-W ALKYL ETHERS
(Higher Aliphatic Ethers of 97% Minimum Purity)

R—O—R n - DIALKYL ETHER	Freezing Point, °C.		Boiling Point, °C.	
	Pure	Spec. Range	Pure	Spec. Range
Dihexyl Ether	—43	—45 to —43	225.7	223-26
Diheptyl Ether	——	——	261.9	260-63
Dioctyl Ether	— 7.0	—8 to —7	291.7	290-93
Didecyl Ether	16.0	14-16	170-80/6	168-82/6
Didodecyl Ether	33.0	31-33	190-95/1	188-97/1
Ditetradecyl Ether	40.0	37-39	238-48/4	235-50/4
Dihexadecyl Ether	54	52-54	Decomp. 300°C.	——
Dioctadecyl Ether	59	57-59	Decomp. 300°C.	——

H-W ALKENYL SUCCINIC ANHYDRIDES
(Branched and Normal Substituent Types)



TYPE	Substituent	Boiling Range °C/mm.Hg	Acid Value	
			Theor.	Specification Range
Branched Octenyl	Caprylene	184-196/19	534	485-530
Branched Octenyl	Di-isobutylene	——	534	485-530
n - Octenyl	1 - Octene	172-182/7	534	515-535
Branched Nonenyl	Tripropylene	190-206/16	500	470-495
n - Decenyl	1 - Decene	190-200/5	470	450-470
Branched Dodecenyl	Butylene Trimer	180-190/5	422	390-420
Branched Dodecenyl	Propylene Tetramer	180-192/6	422	390-420
n - Dodecenyl	1 - Dodecene	170-180/1	422	405-425
n - Tetradecenyl	1 - Tetradecene	190-200/1	382	365-385
n - Hexadecenyl	1 - Hexadecene	230-240/5	348	330-350
n - Octadecenyl	1 - Octadecene	245-255/5	320	306-325

In addition to the alkenyl succinic anhydrides listed here the alkyl-substituted derivatives and the corresponding dicarboxylic acids in both categories are offered. H-W service includes custom syntheses employing the most advanced organic unit process techniques and separation methods. Humphrey-Wilkinson, Inc. also produces completely fabricated heat warning and signal devices, based on smoke and odor generation, and does contract formulating and packaging of chemical specialties.

PAINT BASES, RESIN EMULSION

*Alkydol Labs
►*Borden Chem Co
►*Colton Chem Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*National Casein Co
►*Nopco Chem Co
*Pennsylvania Industrial Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sartomer Resins, Inc
*Sherwin-Williams Co
*Stein, Hall & Co
*Union Carbide Corp, Silicones Div

*Adhesive Products Corp
*Alcylite Plastics & Chem Corp
*Archer-Daniels-Midland
*B B Chem Co
*California Ink Co
*Carroll Ltd
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*E I du Pont de Nemours & Co, Finishes Div
*Firestone Plastics Co
*Glidden Co
*Koppers Co, Plastics Div
*National Starch & Chem Corp
*R & A Leather Finish Co
*Rubba, Inc
*Specialty Resins Co
*Tropical Paint Co

PAINTS, ACID-ALKALI RESISTANT

►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Metal & Thermit Corp
►*Monsanto Chem Co
*Pennsalt Chems Corp
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Atlas Mineral Products
*Borne Chem Co
*California Stucco Products of N E
*Carroll Ltd
*Cellcote Co
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
'Duralac Chem Corp
*Benjamin Foster Co
*Glidden Co
*H V Hardman
*Inertol Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Penetone Co
*Pruett-Schaffer Chem Co
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Rust-Oleum Corp
*Sauereisen Cements Co
*Tropical Paint Co
*United States Varnish Co
*United Wallpaper Co
*Varniton Co
*Zophar Mills

PAINTS, ANTI-FOULING

*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Armstrong Paint & Varnish Works
*Carroll Ltd
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Glidden Co
*Maas & Waldstein Co
*Penetone Co
*Prufcoat Labs
*Quigley Co
*Rubba, Inc
*Zophar Mills

PAINTS, CORROSION RESISTANT

►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
*American Oil & Supply Co
►*Metal & Thermit Corp
*National Lead Co
Pennsalt Chems Corp
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
*Sherwin-Williams Co

*Adhesive Products Corp
*Alcylite Plastics & Chem Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Atlas Mineral Products Co
*Borne Chem Co
*Carroll Ltd
*Cellcote Co
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Benjamin Foster Co
*Glidden Co
*Hadley Bros-Uhl Co
*H V Hardman Co
*Inertol Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Maas & Waldstein Co
*Penetone Co
*Prufcoat Labs
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Rust-Oleum Corp
*Sauereisen Cements Co
*Tropical Paint Co
*United States Varnish Co
*United Wallpaper Inc
*Varniton Co

PAINTS, DAMP RESISTANT

►*Allied Chem Corp, Barrett Div
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Allied Finishing Specialties
*Armstrong Paint & Varnish Works
*California Stucco Products of N E
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Benjamin Foster Co
*Glidden Co
*Inertol Co
*Krylon, Inc
*Maas & Waldstein Co
*Penetone Co
*Prufcoat Labs
*Quigley Co
*Rowe Products Inc
*Rubba, Inc
*Rust-Oleum Corp
*Tamms Industries
*Tropical Paint Co
*United States Varnish Co
*United Wallpaper Inc
*Zophar Mills

PAINTS, FIRE RETARDANT

►*Colton Chem Co
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*California Stucco Products of N E
*Carroll Ltd
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Flamort Chem Co
*Benjamin Foster Co
*Glidden Co
*National Starch & Chem Corp
*Rubba, Inc
*Sauereisen Cements Co
*Singa Chem Co

PAINTS, HEAT RESISTANT

►*Allied Chem Corp, Plastics & Coal Chems Div
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Borne Chem Co
*California Stucco Products of N E
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Benjamin Foster Co
*Glidden Co
*H V Hardman Co
*Inertol Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Monroe Sander Corp
*Penetone Co
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Rust-Oleum Corp
*Sauereisen Cements Co

PAINTS, INSULATING

►*Metal & Thermit Corp
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co

*Adhesive Products Corp
*American Products Mfg Co
*Armstrong Paint & Varnish Works
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Benjamin Foster Co
*Monroe Sander Corp
*Pruett-Schaffer Chem Co
*Rubba, Inc
*Sauereisen Cements Co
*Schenectady Varnish Co

PAINTS, LUMINOUS

*Sherwin-Williams Co

*Allied Finishing Specialties Co
*American Phosphors Corp
*American Products Mfg Co
*Carroll Ltd
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Fairmount Chem Co
*Glidden Co
*Rubba, Inc

PAINTS, MILDEW RESISTANT

►*Allied Chem Corp, Barrett Div
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Duralac Chem Corp
*Glidden Co
*Inertol Co
*Maas & Waldstein Co
*Monroe Sander Corp
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Tropical Paint Co
*United Wallpaper Inc

PAINTS, OILPROOF

*Esso Standard Oil Co
*Reilly Tar & Chem Corp
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Atlas Mineral Products Co
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*E I du Pont de Nemours & Co, Finishes Div
*Dampney Co
*Duralac Chem Corp
*Benjamin Foster Co
*Glidden Co
*H V Hardman Co
*Interchem Corp, Finishes Div
*Monroe Sander Corp
*Penetone Co
*Pruett-Schaffer Chem Co
*Rowe Products, Inc
*Rubba, Inc
*Sauereisen Cements Co
*Tropical Paint Co

PAINTS, WATERPROOF

►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
*L Sonneborn Sons

*Adhesives Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*California Stucco Products of N E
*Carroll Ltd
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Benjamin Foster Co
*Glidden Co
*H V Hardman Co
*Inertol Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Penetone Co
*Pruett-Schaffer Chem Co
*Prufcoat Labs
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Rust-Oleum Corp
*Sullivan Co
*Trumble Asphalt Co of Delaware
*Varniton Co
*Zophar Mills

PALLADIUM BICHLORIDE see Palladium Chloride

PALLADIUM CHLORIDE (Palladous Chloride, Palladium Bichloride)

*Chemical Commerce
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Old Chem Co

*J Bishop & Co Platinum Works
*J A Samuel & Co
*Williams Gold Refining Co

PALLADIUM, METAL

*Chemical Commerce
*Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Old Chem Co

*Allied Finishing Specialties Co
*J Bishop & Co Platinum Works
*Bram Metal-Chem Co
*Fairmount Chem Co
*Metals & Controls Corp
*J A Samuel & Co

PALM BUTTER see Oil, Palm

PALM GREASE see Oil, Palm

PALMITOYL CHLORIDE

►*Trubek Labs

PANAMA BARK see Soap Bark

PANCREATIN

*Armour Pharmaceutical Co
R W Greeff & Co
Pfanstiehl Labs
*Jacques Wolf & Co
*Takamine Lab

PAPAIN

Meer Corp
*S B Penick & Co
*Hathaway Allied Products
*Paul-Lewis Labs
*Prentiss Drug & Chem Co
*Roselle Labs
*Wallerstein Co

PAPER CHEMICALS — see also Sizing Compounds, Rosin, Wax Emulsions, Pigments, Dispersing Agents, etc.

►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Semet-Solvay Petrochem Div
►*Allied Chem Corp, Solvay Process Div
►*American Potash & Chem Corp
*Antara Chem Div
*Argus Chem Corp
►Berkshire Chems Inc
*Burtonite Co
*Godfrey L Cabot
►*Colton Chem Co
*Columbia-Southern Chem Co
*Diamond Alkali Co
*Dow Chemical Co
*Dow Corning Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index) See company directory for addresses

Maher Color & Chem Co
George Mann & Co
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
•Neville Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
Sole Chem Corp
*L Sonneborn Sons
*Stein, Hall & Co
►*Sumner Chem Co Div
►*Tennessee Corp
*Trio Chem Works
*Union Carbide Chems Co
►*Westvaco Chlor-Alkali Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Amalgamated Chem Corp
*American Phosphors Corp
*Atlas Refinery Inc
*Berkshire Color & Chem Corp
*Borne Chem Co
*Bryant Chem Corp
*Celanese Corp of America, Plastics Div
*Colgate-Palmolive Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*E I du Pont de Nemours & Co, Grasselli Chem
*Emkay Chem Co
*Essential Chem Co
*Finetex Inc
*Hagan Chem & Controls
*C P Hall Co
*Hodag Chem Corp
*E F Houghton & Co
*Koppers Co, Plastics Div
*Harry Miller Corp
*Minnesota Mining & Mfg Co, Chem Products Group
*Mona Industries
*National Aluminate Corp
*National Starch & Chem Corp
*Norton Chem Works
*Polyvinyl Chems
*Reilly-Whiteman-Walton Co
*Rubba, Inc
*Shell Chem Corp
*Swift & Co
*Titan Chem Products
*R T Vanderbilt Co
*Wica Chem
*Wye Industries

PARAFFINS, CHLORINATED
*Diamond Alkali Co
►*Hooker Chem Corp
RITA Chem Corp
*Dover Chem Co
*Universal Western Chem

PARAFORM see Paraformaldehyde

PARAFORMALDEHYDE (Paraform, Polyoxymethylene, Polymerized Formaldehyde)
►Barclay Chem Co
►*Celanese Corp of America, Chem Div
*Heyden Newport Chem Corp
Philip A Hunt Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
J U Starkweather Co
*E I du Pont de Nemours & Co, Electrochem Dept

PARALDEHYDE (Paracetaldehyde)
►*J T Baker Chem Co
*Mallinckrodt Chem Works
*Union Carbide Chems Co

PARA RED see p-Nitroaniline, Red

PARATHION (O,O-Diethyl-O-p-Nitrophenyl Thiophosphate, Diethyl-p-Nitrophenyl Thionophosphate)
►*American Potash & Chem Corp
►Baird Chem Industries, Inc
Faesy & Besthoff
►*Monsanto Chem Co
►Stauffer Chem Co
Thompson-Hayward Chem Co
*Velsicol Chem Corp

PARIS GREEN see Copper Acetoarsenite

PARIS YELLOW see Chrome Yellow

PARROT GREEN see Copper Acetoarsenite

PATENT ALUM see Aluminum Sulfate

PATENT RED see Mercury Sulfide, Red

PATGREEN see Copper Acetoarsenite

PEARL ALUM see Aluminum Sulfate

PEARL ASH see Potassium Carbonate

PEARL ESSENCE
►American-British Chem Supplies
*Chemical Mfg Co
*Mearl Corp
Robeco Chems
*Rona Labs
*Var-Lac-Oid Chem Co
*Claremont Pigment Dispersion Corp

PEARL MOSS see Irish Moss

PEARL WHITE see Bismuth Oxychloride

PEAT MOSS
Faesy & Besthoff
*Premier Peat Moss Corp

PECTIN
*Colyer Co

PEGU CATECHU see Cutch

PENETRANTS, CARBONIZING
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Maher Color & Chem Co
►M Michel & Co
►*Nopco Chem Co
*Synthetic Chems
►*Wilson-Martin (Div Wilson & Co)
*Jacques Wolf & Co

*Colgate-Palmolive Co
*Eastern Color & Chem Co
*Emkay Chem Co
*Hart Products Corp
*E F Houghton & Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*Scholler Bros
*Warwick Chem Co Div
*Wica Chem

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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PAPERMAKING CHEMICALS

Rosin and rosin wax sizes, CMC, wax emulsions, wet-strength resins, defoamers, and other chemicals used in all kinds of paper and board.

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INCORPORATED
Wilmington 99, Delaware
GD 59-1



RONA T.M.

PEARL ESSENCE

SYNTHETIC PEARL PIGMENTS (nacreous) to meet the most rigid specifications . . . heat stable, chemically resistant and non-corrosive.

NATURAL PEARL ESSENCE (fish scale guanine) highest quality to provide maximum luster, brilliance and coverage.

FOR: COMPOUNDING into various plastics and resins.
COATING products made of plastic, metal, glass, wood, leather, etc.



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Plants: Maine — New Jersey — Canada

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SYNTHETIC PEARL ESSENCE

Formulated for superior pearlizing of thermoplastics. Suitable for incorporation in polyethylene, polystyrene, acetates, vinyls, etc. Also widely used as a coating on plastics, wood, metal, leather, paper, glass.

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For high-quality synthetic resins and oils, dust-free high quality and uniformity. Technical and mono-PE grades.



HERCULES POWDER COMPANY
Wilmington 99, Delaware

GD 59-1

PENETRANTS, LEATHER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Atlas Powder Co, Chems Div
*Ciba Co
*Finetex Inc
*Geigy Dyestuffs Div
*Maher Color & Chem Co
►M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Rohm & Haas Co
*L Sonneborn Sons
►*Sun Oil Co
*Synthetic Chems
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
*Atlas Refinery Inc
*B B Chem Co
*Borne Chem Co
*Bryant Chem Corp
*Emkay Chem Co
*Hagan Chem & Controls
*Hart Products Corp
*E F Houghton & Co
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*R & A Leather Finish Co
*Reilly-Whiteman-Walton Co
*Sandoz, Inc
*Scher Bros
*Seaboard Chems
*Titan Chem Products
*Arthur C Trask Co
*Warwick Chem Co Div
*Wye Industries

PENETRANTS, TEXTILE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Atlas Powder Co, Chems Div
*Ciba Co
*Concord Chem Co
*Finetex Inc
*Geigy Dyestuffs Div
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
►M Michel & Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►*Rohm & Haas Co
Sole Chem Corp
*L Sonneborn Sons
*Synthetic Chems
*Ultra Chem Works Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
*Adell Chem Co
*Arnold, Hoffman & Co
*Arol Chem Products
*Atlas Refinery Inc
*Borne Chem Co
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Colgate-Palmolive Co
*Crown Chem Corp
*Eastern Color & Chem Co
*Emkay Chem Co
*Hagan Chem & Controls
*Hart Products Corp
*E F Houghton & Co
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*Procter & Gamble Co
*Reilly-Whiteman-Walton Co
*Royce Chem Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem
*Wye Industries

PENICILLIN

►*American Cyanamid Co, Fine Chems Dept
Browning Chem Corp
Fallek Products Co
Intra Continental Export Co
►*Merck Chem Div
George Uhe Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eli Lilly & Co

PENTACHLOROETHANE

*Eastern Chem Corp

PENTACHLORONITROBENZENE

►Aceto Chem Co
*Olin Mathieson Chem Corp, Industrial Chems

PENTACHLOROPHENOL

Chapman Chem Co
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
*National Casein Co
*Pennsalt Chems Corp
►*Reichhold Chems, Inc
*Coopers Creek Chem Corp
*Frontier Chem Co
*Thompson Chems Corp

PENTADECYL CARBINOL see Alcohol, Cetyl

PENTAERYTHRITOL

►Baird Chem Industries, Inc
►Barclay Chem Co
►*Borden Chem Co
►*Celanese Corp of America, Chem Div
►*Commercial Solvents Corp
*Heyden Newport Chem Corp
Mercer Chem Corp
►*Reichhold Chems, Inc
Tar Residuals
*Delaware Chems
*Trojan Powder Co

PENTAERYTHRITOL TETRANITRATE (PETN)

*Atlas Powder Co, Chems Div
*E I du Pont de Nemours & Co, Explosives Dept
R W Greeff & Co
Hummel Chem Co
*Chemo Puro Mfg Corp
*Trojan Powder Co

PENTAGLYCERINE see Trimethylolethane

3,5,7,3',4'-PENTAHYDROXYFLAVONE-3-RUTINOSIDE see Rutin

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*Norton Chem Works

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*Metalsalts Corp
*F W Berk & Co
*Gallowhur Chem Corp

PHENYL MERCURIC PHTHALATE
*Metalsalts Corp
*Norton Chem Works

PHENYL MERCURIC STEARATE
*Norton Chem Works

PHENYLMETHANE see Toluene

PHENYLMETHYL CARBINOL see Alcohol, Styralyl

PHENYLMETHYL KETONE see Acetophenone

1-PHENYL-3-METHYL-5-PYRAZOLONE
*Aldrich Chem Co
*Dow Chem Co
Gallard-Schlesinger Chem Mfg Corp
►*Koppers Co, Chems & Dyestuffs Div
H P Rossiger & Co
*Winthrop Labs
*E I du Pont de Nemours & Co, Dyes & Chem Div

2-PHENYL-6-METHYL-QUINOLINE-4-CARBOXYLIC ACID ETHYL ESTER see Neocinchophen

PHENYL-α-NAPHTHYLAMINE
►*Allied Chem Corp, National Aniline Div

PHENYL NITROMETHANE
*K & K Labs
*E I du Pont de Nemours & Co, Dyes & Chem Div

o-PHENYLPHENOL
*Ciba Co
*Dow Chem Co
George Mann & Co
►*Reichhold Chems, Inc

p-PHENYLPHENOL
*Dow Chem Co
*Gallowhur Chem Corp

PHENYLPROPANOLAMINE HYDROCHLORIDE
J H DeLamar & Son
Fisher Chem Co
R W Greeff & Co
*NYQ Chem Div, S B Penick & Co
*R S A Corp
George Uhe Co
*Biorganic Labs
*Hexagon Labs
*Gamma Chem Corp

PHENYL-2-PROPANONE see Phenylacetone

PHENYLPROPYL CHLORIDE
►*Trubek Labs

PHENYL SALICYLATE see Salol

PHENYL SEMICARBAZIDE
*Eastern Chem Corp
*R S A Corp
*Andor Labs
*Polychemical Labs

PHENYL THIOUREA
*Eastern Chem Corp

PHENYLTRICHLOROSILANE
*Dow Corning Corp
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►See catalog advertisement (Advertisers Index)

PHENYL TRIMETHYLAMMONIUM HYDROXIDE
*Eastern Chem Corp
*NYQ Chem Div, S B Penick & Co

PHLOROGLUCINE see Phloroglucinol

PHLOROGLUCINOL (Phloroglucine; 1,3,5-Trihydroxybenzene)
*Aldrich Chem Co
*Eastern Chem Corp
*Morton Chem Co
*Fairmount Chem Co

PHOSGENE (Carbonyl Chloride, Chloroformyl Chloride
►*Delmar Chem Co
R W Greeff & Co
J F Henry Chem Co
Matheson Co
*United Chem & Organic Products

PHOSPHATE EDIBLE BONE

PHOSPHONITRILE CHLORIDE
*Millmaster Chem Corp

PHOSPHORIC CHLORIDE see Phosphorus Pentachloride

PHOSPHORIC SULFIDE see Phosphorus Pentasulfide

PHOSPHORUS COMPOUNDS, ORGANIC
►*American Potash & Chem Corp
*Dow Chem Co
►*Hooker Chem Corp
*Kolker Chem Corp
►*Monsanto Chem Co
*Victor Chem Works
►*Virginia-Carolina Chem Corp
►*Westvaco Chlor-Alkali Div
*Peninsular ChemResearch
*Schwarz Labs

PHOSPHORUS HEPTASULFIDE
►*Hooker Chem Corp
*Victor Chem Works

PHOSPHORUS OXYCHLORIDE (Phosphoryl Chloride)
►* J T Baker Chem Co
►*Food Machy & Chem Corp, Chems & Plastics Div
J F Henry Chem Co
►*Hooker Chem Corp
*Mallinckrodt Chem Works
►*Monsanto Chem Co
Joseph Turner & Co
*Victor Chem Works
*Tracerlab Inc

PHOSPHORUS PENTACHLORIDE (Phosphoric Chloride)
►* J T Baker Chem Co
►*Hooker Chem Corp
*Mallinckrodt Chem Works

PHOSPHORUS PENTASULFIDE (Phosphoric Sulfide, Thiophosphoric Anhydride, Phosphorus Persulfide)
►*American Agricultural Chem Co
►* J T Baker Chem Co
►*Hooker Chem Corp
*Victor Chem Works

PHOSPHORUS PENTOXIDE (Phosphoric Acid Anhydrous)
►* J T Baker Chem Co
J F Henry Chem Co
►*Hooker Chem Corp
*Mallinckrodt Chem Works
►*Monsanto Chem Co
*Victor Chem Works
►*Virginia-Carolina Chem Corp

PHOSPHORUS PERSULFIDE see Phosphorus Pentasulfide

PHOSPHORUS, RED
►*American Agricultural Chem Co
►*Hooker Chem Corp
Hostachem Corp
Hummel Chem Co
*Mallinckrodt Chem Works

PHOSPHORUS SALT see Sodium-Ammonium Phosphate

PHOSPHORUS SESQUISULFIDE (Tetraphosphorus Trisulfide)
►*American Agricultural Chem Co
►*Hooker Chem Corp

PHOSPHORUS TRIBROMIDE (Phosphorous Bromide)
*Dow Chem Co
*Michigan Chem Corp
*Millmaster Chem Corp
*Edcan Labs

PHOSPHORUS TRICHLORIDE (Phosphorous Chloride)
►*J T Baker Chem Co
►*Food Machy & Chem Corp, Chems & Plastics Div
J F Henry Chem Co
►*Hooker Chem Corp
*Mallinckrodt Chem Works
►*Monsanto Chem Co
Joseph Turner & Co
*Victor Chem Works
*Tracerlab Inc

PHOSPHORUS, WHITE
►*American Agricultural Chem Co
►Barclay Chem Co
►*Hooker Chem Corp
*Mallinckrodt Chem Works
►Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works
►*Virginia-Carolina Chem Corp

PHOSPHORYL CHLORIDE see Phosphorus Oxychloride

PHOTOGRAPHIC SPECIALTIES—see also Developers and Fixers
*Dow Chem Co
*Heyden Newport Chem Corp
►Koppers Co, Chems & Dyestuffs Div
*Union Carbide Chems Co
*Fairmount Chem Co
*Hagan Chem & Controls
*Merix Chem Co
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PHTHALAMIDE
►*Maumee Chem Co

PHTHALANDIONE see Phthalic Anhydride

PHTHALAZONE
►*Allied Chem Corp, National Aniline Div
*Meta Chem Corp
*Simpson Labs

PHTHALIC ANHYDRIDE (Phthalandione)
►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►*American Cyanamid Co, Industrial Chem Div
*Amoco Chems Corp
►Baird Chem Industries, Inc
►* J T Baker Chem Co
►Barclay Chem Co
Bergstrom Trading Co
Browning Chem Corp
Conray Products Co
DeMert & Dougherty, Inc
Fallek Products Co
M W Hardy & Co
Intra Continental Export Co
*Mallinckrodt Chem Works
Millmaster Chem Corp
►*Monsanto Chem Co
*Oronite Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
Tar Residuals
George Uhe Co
►*Witco Chem Co
*American Cyanamid Co, Plastics & Resins Div
*Eastern States Petroleum & Chem Corp
*Tracerlab Inc

PHTHALIDE
*Aldrich Chem Co
►*Allied Chem Corp, National Aniline Div
*Fairmount Chem Co

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►*Allied Chem Corp, National Aniline Div
*Antara Chem Div
*Dow Chem Co
Fallek Products Co
International Selling Corp
R W Greeff & Co
*Kolker Chem Corp
►*Maumee Chem Co
Riches-Nelson, Inc

*Anderson Chem Co
*Beacon Chem Industries
*Thomasset Colors
*E I du Pont de Nemours & Co, Dyes & Chem Div

PHTHALOCYANINES

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Pigments Div
*Ciba Co
Harwick Standard Chem Co
*Kentucky Color & Chem Co
Pittsburgh Coke & Chem Co

*Brooklyn Color Works
*E I du Pont de Nemours & Co, Dyes and Chem Div
*Holland Color & Chem Co
*Wilson Organic Chems

PHTHALONITRILE

*Aldrich Chem Co
►*Allied Chem Corp, Plastics & Coal Chems Div

PHTHALYL CHLORIDE (o-Phthaloyl Dichloride; 1,2-Benzene Dicarbonyl Chloride)

►*Monsanto Chem Co

o-PHTHALOYL DICHLORIDE see Phthalyl Chloride

PHTHALYL GLYCOLATES

►*Monsanto Chem Co

PHTHALYLSULFACETAMIDE

►*American Cyanamid Co, Fine Chems Dept
Gane & Ingram
*Hoffman Labs
George Uhe Co

*Arenol Chem Corp
*B L Lemke & Co
*Polychemical Labs
*Roselle Labs

PHYTOL

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*Fallek Products Co
R W Greeff & Co

PHYTOSTEROLS see Sterols

PICKLE ALUM see Aluminum Sulfate

PICKLING AGENTS

►Berkshire Chems Inc
*Dow Chem Co
►*Tennessee Corp
►*Westvaco Mineral Products Div
►*Wyandotte Chem Corp

*Du Bois Co
*E I du Pont de Nemours & Co, Grasselli Chem
*E F Houghton & Co
*Harry Miller Corp
*Oakite Products

α-PICOLINE

►Aceto Chem Co
►*Allied Chem Corp, Plastics & Coal Chems Div
Gallard-Schlesinger Chem Mfg Co
Industrial Chem & Dye Co
Intra Continental Export Co
Midland Tar Distillers
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
Tar Residuals
George Uhe Co
*Union Carbide Chems Co

*Crowley Tar Products Corp
*Donner-Hanna Coke Corp
*Koppers Co, Tar Products Div
*United States Steel Corp

β-PICOLINE

Midland Tar Distillers
*Reilly Tar & Chem Corp
Tar Residuals

*Crowley Tar Products Corp

γ-PICOLINE

Fallek Products Co
Midland Tar Distillers
*Reilly Tar & Chem Corp
*Union Carbide Chems Co

*Crowley Tar Products Corp

PICOLINES, MIXED

►*Allied Chem Corp, Plastics & Coal Chems Div
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
Tar Residuals

*Crowley Tar Products Corp
*Donner-Hanna Coke Corp
*Koppers Co, Tar Products Div
*United States Steel Corp

2-PICOLINE-N-OXIDE

Midland Tar Distillers
*Reilly Tar & Chem Corp

*Beacon Chem Industries

4-PICOLINE-N-OXIDE

Midland Tar Distillers
*Reilly Tar & Chem Corp

*Beacon Chem Industries

PIGMENT DISPERSIONS

*American Cyanamid Co, Organic Chems Div
►*Armour Industrial Chem Co
*Ciba Co
*Columbian Carbon Co
*Geigy Dyestuffs Div
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Mineral Pigments Corp
*Pittsburgh Coke & Chem Co
*Sherwin-Williams Co
Smith Chem & Color Co
*L Sonneborn Sons
*Jacques Wolf & Co

*Adhesive Products Corp
*Alco Oil & Chem Corp
*B B Chem Co
*California Ink Co
*Claremont Pigment Dispersion Corp
*Federal Color Labs
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper
*Landers-Segal Color Co
*Interchem Corp, Color & Chems Div
*Kromail Chem & Dispersions Corp
*Maas & Waldstein Co
*Monroe Sander Corp
*Naugatuck Chem Div
*Pennsylvania Color & Chem Co
*Rubba, Inc
*Sandoz, Inc
*Thomasset Colors

PIGMENTS, BLACK

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Godfrey L Cabot
*Columbian Carbon Co
Harwick Standard Chem Co
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Prince Mfg Co
*Shepherd Chem Co
*Smith Chem & Color Co
*C K Williams & Co
►*Witco Chem Co

*Ansbacher-Siegle Corp
*Brooklyn Color Works
*Frank D Davis Co
*B F Goodrich Chem Co
*Landers-Segal Color Co
*Magruder Color Co
*New York Color & Chem Co
*Rare Metal Products Co
*Paul Uhlich & Co

PIGMENTS, BLUE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
*Filo Color & Chem Corp
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*H Kohnstamm & Co
*Mineral Pigments Corp
*Pittsburgh Coke & Chem Co
*Prince Mfg Co
►*Reichhold Chems, Inc
*Shepherd Chem Co
*Sherwin-Williams Co
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►*Tennessee Corp
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*Brooklyn Color Works
*California Ink Co
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*Holland Color & Chem Co
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*Landers-Segal Color Co
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem
*New York Color & Chem Co
*Sandoz, Inc
*Thomasset Colors

PIGMENTS, BROWN

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
*Columbian Carbon Co
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Prince Mfg Co
*Shepherd Chem Co
*Smith Chem & Color Co
*C K Williams & Co
*American Lignite Products
*Ansbacher-Siegle Corp
*Belle Chem Co
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Pigments Dept
*Frank D Davis Co
*B F Goodrich Chem Co
*Illinois Minerals Co
*Landers-Segal Color Co
*Tamms Industries
*Paul Uhlich & Co

PIGMENTS, CHROME see Chrome Greens, Oranges and Yellows

PIGMENTS, EXTENDER see Fillers

PIGMENTS, FLATTING

►Berkshire Chems Inc
*Godfrey L Cabot
*Columbia-Southern Chem Corp
*English Mica Co
*Johns-Manville
►*Minerals & Chem Corp of America
*Mineral Pigments Corp
►*Monsanto Chem Co
►*Vitro Mfg Co
Whittaker, Clark & Daniels
*C K Williams & Co
►*Witco Chem Co
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*Filo Color & Chem Corp
*General Dyestuff Co
Whittaker, Clark & Daniels
*American Phosphors Corp
*Canadian Radium & Uranium Corp
*Imperial Color Chem & Paper Corp
*Rhode Island Labs

PIGMENTS, GREEN

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
►Barclay Chem Co
*Filo Color & Chem Corp
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
►*Koppers Co, Chems & Dyestuffs Div
*Mineral Pigments Corp
*Pittsburgh Coke & Chem Co
*Prince Mfg Co
►*Reichhold Chems, Inc
*Shepherd Chem Co
*Sherwin-Williams Co
►*Tennessee Corp
Whittaker, Clark & Daniels
*C K Williams & Co
*Ansbacher-Siegle Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*E I du Pont de Nemours & Co, Pigments Dept
*B F Goodrich Chem Co
*Imperial Color Chem & Paper Corp
*Holland Color & Chem Co
*Landers-Segal Color Co
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem Co
*Thomasset Colors
*Paul Uhlich & Co

PIGMENTS, LEAD see specific compounds

PIGMENTS, LEATHER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Columbian Carbon Co
*General Dyestuff Co
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
►*Minerals & Chem Corp of America
*Shepherd Chem Co
*C K Williams & Co
*Belle Chem Co
*Brooklyn Color Works
*Canadium Radium & Uranium Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Pigments Dept
*Fiebing Chem Co
*Glidden Co
*Hadley Bros-Uhl Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Magruder Color Co
*Max Marx Color & Chem Co
*New Jersey Zinc Co
*New York Color & Chem Co
*R & A Leather Finish Co
*Titanium Pigment Corp
*Tracerlab Inc

PIGMENTS, LUMINOUS see Pigments, Fluorescent and Pigments, Phosphorescent

PIGMENTS, ORANGE

*Advance Solvents & Chem Div
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
►*Davison Chem Co Div
*Filo Color & Chem Corp
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
Kraft Chem Co
*Michigan Chem Corp
*Mineral Pigments Corp
Pfaltz & Bauer, Inc
*Prince Mfg Co
*Shepherd Chem Co
*Sherwin-Williams Co
*G Frederick Smith Chem Co
*C K Williams & Co
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*B F Goodrich Chem Co
*Heavy Minerals Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem Co

PIGMENTS, PAINT

►*Allied Chem Corp, National Aniline Div
*Aluminum Co of America
*American Cyanamid Co, Pigments Div

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

►Berkshire Chems Inc
*Godfrey L Cabot
*Columbian Carbon Co
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*English Mica Co
*Filo Color & Chem Corp
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp

►*Minerals & Chem Corp of America
*Pittsburgh Coke & Chem Co
*Prince Mfg Co

►*Reichhold Chems, Inc
Revelli Chems, Inc
Shepherd Chem Co
*Sherwin-Williams Co
Smith Chem & Color Co
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*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*Eagle-Picher Co
*Federal Color Labs
*Glidden Co
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Illinois Minerals Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Magruder Color Co
*Max Marx Color & Chem Co
*Mineralite Sales Corp
*Minnesota Mining & Mfg Co, Chem Div
*New Jersey Zinc Co
*Rare Metal Products Co
*Tamms Industries
*Thomasset Colors
*Titanium Pigment Corp
*Paul Uhlich & Co
*United States Mica Co
*Western Dry Color Co

PIGMENTS, PAPER

►*Allied Chem Corp, National Aniline Div
*Aluminum Co of America
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div

►Berkshire Chems Inc
*Godfrey L Cabot
*Columbian Carbon Co
*Columbia-Southern Chem Corp
*General Dyestuff Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp

►*Minerals & Chem Corp of America
*Pittsburgh Coke & Chem Co
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*C K Williams & Co

*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Belle Chem Co
*Brooklyn Color Works
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Pigments Dept
*Eagle-Picher & Co
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*New Jersey Zinc Co
*New York Color & Chem Co
*R & A Leather Finish Co
*Thomasset Colors
*Titanium Pigment Corp
*Paul Uhlich & Co

PIGMENTS, PHOSPHORESCENT

City Chem Corp
*Filo Color & Chem Corp
Whittaker, Clark & Daniels

*American Phosphors Corp
*Canadian Radium & Uranium Corp
*Frank D Davis Co
*Rhode Island Labs

PIGMENTS, PLASTIC

►*Allied Chem Corp, National Aniline Div
*Aluminum Co of America
*American Cyanamid Co, Pigments Div
*Argus Chem Corp
*Godfrey L Cabot
*Columbia-Southern Chem Corp
Columbian Carbon Co
*Diamond Alkali Co
*Filo Color & Chem Corp
*General Color Co
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co

►*Koppers Chem Co, Chems & Dyestuffs Div
*Mineral Pigments Corp

►*Minerals & Chem Corp of America
*Pittsburgh Coke & Chem Co
*Shepherd Chem Co
*Sherwin-Williams Co
*C K Williams & Co

*Ansbacher-Siegle Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*Claremont Pigment Dispersion Corp
*B F Drakenfield & Co
*Eagle-Picher Co
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Minnesota Mining & Mfg Co, Chem Div
*New Jersey Zinc Co
*R & A Leather Finish Co
*Sandoz, Inc
*Thomasset Colors
*Titanium Pigment Corp
*Paul Uhlich & Co

PIGMENTS, RED

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div

►Barclay Chem Co
*Ciba Co
*Columbian Carbon Co
*Filo Color & Chem Corp
*General Color Co
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp
*Pittsburgh Coke & Chem Co
*Prince Mfg Co
*Shepherd Chem Co
*Sherwin-Williams Co
*Smith Chem & Color Co
*C K Williams & Co

*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Fred'k H Levey Co
*Magruder Color Co
*Max Marx Color & Chem
*Minnesota Mining & Mfg Co, Chem Div
*Rare Metal Products Co
*Sandoz, Inc
*Tamms Industries
*Paul Uhlich & Co

PIGMENTS, RUBBER

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div

►Barclay Chem Co

►Berkshire Chems Inc
*Godfrey L Cabot
*Columbia-Southern Chem Corp
*Columbian Carbon Co
*Diamond Alkali Co
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*H Kohnstamm & Co
*Mineral Pigments Corp

►*Minerals & Chem Corp of America
*Pittsburgh Coke & Chem Co
*Prince Mfg Co
*Sherwin-Williams Co
Smith Chem & Color Co
*C K Williams & Co

►*Witco Chem Co
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*Belle Chem Co
*Brooklyn Color Works
*Cohutta Talc Co
*Crowley Tar Products Co
*Frank D Davis Co
*E I du Pont de Nemours & Co, Elastomer Chems
*Eagle-Picher & Co
*Federal Color Labs
*Glidden Co
*Holland Color & Chem Co
*Illinois Minerals Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Magruder Color Co
*Max Marx Color & Chem
*Minnesota Mining & Mfg Co, Chem Div
*Moores Lime Co
*New Jersey Zinc Co
*Rare Metal Products Co
*Sandoz, Inc
*Thomasset Colors
*Titanium Pigment Corp
*Paul Uhlich & Co

PIGMENTS, TEXTILE

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div

►Berkshire Chems Inc
*Ciba Co
*Columbia-Southern Chem Corp
*Columbian Carbon Co
*General Dyestuff Co
*Hilton-Davis Chem Co Div
Intra Continental Export Co
*Kentucky Color & Chem Co
*Mineral Pigments Corp
*Pittsburgh Coke & Chem Co
*Prince Mfg Co
*Sherwin-Williams Co
*C K Williams & Co
*Jacques Wolf & Co

*American Lignite Products
*Ansbacher-Siegle Corp
*Atlantic Chem Corp
*E I du Pont de Nemours & Co, Pigments Dept
*Eagle-Picher Co
*Eastern Color & Chem Co
*Glidden Co
*Holland Color & Chem Co
*Illinois Minerals Co
*Imperial Color Chem & Paper Corp
*Magruder Color Co
*Max Marx Color & Chem
*Metro-Atlantic, Inc
*New Jersey Zinc Co
*Sandoz, Inc
*Thomasset Colors
*Titan Chem Products
*Titanium Pigment Corp

PIGMENTS, WHITE

*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div

►Barclay Chem Co
*Godfrey L Cabot
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Johns-Manville
*H Kohnstamm & Co
*Sherwin-Williams Co
Smith Chem & Color Co

►*Witco Chem Co
*Jacques Wolf & Co

*Eagle-Picher Co
*Glidden Co
*Illinois Minerals Co
*Moores Lime Co
*New Jersey Zinc Co
*Titanium Pigment Corp

PIGMENTS, YELLOW

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*American Cyanamid Co, Pigments Div
*Columbian Carbon Co
*Filo Color & Chem Corp
*General Color Co
*General Dyestuff Co
Harwick Standard Chem Co
*Hilton-Davis Chem Co Div
*Kentucky Color & Chem Co
*Mineral Pigments Corp
*Prince Mfg Co

►*Reichhold Chems, Inc
*Sherwin-Williams Co
Smith Chem & Color Co
*C K Williams & Co

*Ansbacher-Siegle Corp
*Belle Chem Co
*Brooklyn Color Works
*California Ink Co
*Frank D Davis Co
*E I du Pont de Nemours & Co, Pigments Dept
*Federal Color Labs
*Glidden Co
*B F Goodrich Chem Co
*Holland Color & Chem Co
*Imperial Color Chem & Paper Corp
*Landers-Segal Color Co
*Fred'k H Levey Co
*Max Marx Color & Chem
*New York Color & Chem
*Rare Metal Products Co
*Sandoz, Inc
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PIGMENTS, ZINC see Pigments, White

PIG-WRACK see Moss, Irish

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Henley & Co
*Mallinckrodt Chem Works
Roussel Corp
*A M Todd Co
*Sandoz Pharmaceutical Div

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*Arapahoe Chem
►*Borden Chem Co
*Eastern Chem Corp
*Givaudan
*Millmaster Chem Corp

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*Aldrich Chem Co
*Arapahoe Chem
►*Borden Chem Co
*Eastern Chem Corp
*K & K Labs
*Millmaster Chem Corp
*Alcylite Plastics & Chem Corp
*Beacon Chem Industries

PINE RESIN see Rosin, Gum

α-PINENE
*Arizona Chem Co
S B Penick & Co
*Glidden Co

β-PINENE
*Arizona Chem Co
*Glidden Co

PIPERAZINE, ANHYDROUS
*Dow Chem Co
►*Jefferson Chem Co
*Union Carbide Chems Co
*Biorganic Labs
*Chemo Puro Mfg Corp
*Polychemical Labs
*Rhodia, Inc
*Roselle Labs

PIPERAZINE, HEXAHYDRATE
Bonewitz Chem
Browning Chem Co
Conray Products Co
*Fallek Products Co
►*Jefferson Chem Co
*R S A Corp
*Biorganic Labs
*Chemo Puro Mfg Corp
*Polychemical Labs
*Rhodia Inc
*Roselle Labs

PIPERAZINE ADIPATE
►*Baird Chem Industries, Inc
Bonewitz Chem
Browning Chem Co
*Fallek Products Co
►*Jefferson Chem Co
*R S A Corp
*American Lignite Products
*Chemo Puro Mfg Corp
*Polychemical Labs
*Rhodia, Inc
*Roselle Labs

PIPERAZINE BENZOATE
*Polychemical Labs
*Roselle Labs

PIPERAZINE CHLORIDE
►*Jefferson Chem Co
McKesson & Robbins, Inc, Chem Dept
*R S A Corp
*Chemo Puro Mfg Corp
*Polychemical Labs
*Rhodia, Inc
*Roselle Labs

PIPERAZINE CITRATE
Bonewitz Chem
*Fallek Products Co
►*Jefferson Chem Co
*R S A Corp
*Chemo Puro Mfg Corp
*Polychemical Labs
*Rhodia, Inc
*Roselle Labs

PIPERAZINE LACTATE
*Roselle Labs

PIPERAZINE PHOSPHATE
Bonewitz Chem
*Fallek Products Co
►*Jefferson Chem Co
*R S A Corp
*Chemo Puro Mfg Corp
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*Rhodia, Inc
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PIPERAZINE SALICYLATE
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*Roselle Labs

PIPERAZINE TARTRATE
Bonewitz Chem
*Fallek Products Co
*Polychemical Labs
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PIPERIDINE (Hexahydropyridine, Pentamethyleneamine)
►Aceto Chem Co
►*Hooker Chem Corp
Matheson Coleman & Bell
*Reilly Tar & Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div

PIPERONAL see Heliotropin

PIPERONYL BUTOXIDE
►*Baird Chem Industries, Inc
McLaughlin Gormley King Co
*Fairfield Chem Div
*Prentiss Drug & Chem Co

PITCH
►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
*Arizona Chem Co
►*Armour Industrial Chem Co
*Darling & Co
*Emery Industries
M W Hardy
*Heyden Newport Chem Corp
Midland Tar Distillers
*National Rosin Oil Products
Tar Residuals
*Union Bag-Camp Paper Corp
►*Wilson-Martin (Div Wilson & Co)
*Colorado Fuel & Iron
*Coopers Creek Chem
*Crowley Tar Products Co
*HumKo-Div
*United States Steel
*Wesson Oil & Snowdrift
*Woburn Chem Corp
*G S Ziegler & Co

PITCH, TALL OIL
*Arizona Chem Co

PITCHBLENDE see Uranium Oxide

PLANT HORMONES
*Eastern Chem Corp
Millmaster Chem Corp
►*Monsanto Chem Co
*Amchem Products
*Miller Products Co
*Naugatuck Chem Div
*Thompson Chems Corp

PLASTER OF PARIS see Calcium Sulfate, Hemihydrate

PLASTICIZERS, CELLULOSE
*Alkydol Labs
*Atlas Powder Co, Chems Div
C P Chemical Solvents
►*Celanese Corp of America, Chem Div
Chemical Solvents Co
►*Eastman Chem Products
*Glyco Chems
*Harchem Div, Wallace & Tiernan Inc
►*Jefferson Chem Co
►*Kay-Fries Chems
*Kessler Chem Co
*Kolker Chem Corp
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►*Monsanto Chem Co
*Morton-Withers Chem Co
*Neville Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►*Peerless Oil & Chem Corp
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Solvents & Chems Group
Stoney-Mueller, Inc

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Archer-Daniels-Midland Co
*C P Hall Co
*Specialty Resins Co
*Colgate-Palmolive Co

PLASTICIZERS, EPOXY

*Advance Solvents & Chem Div
*Alkydol Labs
*Argus Chem Corp
*Baker Castor Oil Co
►*Celanese Corp of America, Chem Div
*Dow Corning Corp
►*Food Machy & Chem Corp, Chems & Plastics Div
►*General Mills, Chem Div
*Glyco Chems
*Kolker Chem Corp
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Synthetic Chem
►*Thiokol Chem Corp
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Archer-Daniels-Midland Co
*Minnesota Mining & Mfg Co, Chem Div
*Ciba Products Corp
*National Polychems
*C P Hall Co

PLASTICIZERS, GLUE

Atlas Powder Co, Chems Div
C P Chemical Solvents
*Chemical Affiliates
Chemical Solvents, Inc
*Glyco Chems
*Heyden Newport Chem Corp
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
►*Nopco Chem Co
►*Reichhold Chems, Inc

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PX-126 DiTriDecyl Phthalate
PX-138 DiOctyl Phthalate
PX-314 N-Octyl N-Decyl Phthalate
PX-914 Butyl Octyl Phthalate
PX-208 Dilso Octyl Adipate
PX-212 N-Octyl N-Decyl Adipate
PX-218 IsoOctyl Decyl Adipate
PX-220 Dilso Decyl Adipate
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PX-438 DiOctyl Sebacate
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PLASTICIZERS, LACQUER

*Advance Solvents & Chem Div
*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
*Atlas Powder Co, Chems Div
*Baker Castor Oil Co
C P Chemical Solvents
►*Celanese Corp of America, Chem Div
*Chemical Affiliates
Chemical Solvents, Inc
►*Commercial Solvents Corp
*Dow Chem Co
*Dow Corning Corp
►*Eastman Chem Products
►*Food Machy & Chem Corp, Chems & Plastics Div
*Kessler Chem Co
*Kolker Chem Corp
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Neville Chem Co
►*Nopco Chem Co
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►*Rohm & Haas Co
*Sherwin-Williams Co
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Stoney-Mueller, Inc
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Archer-Daniels-Midland Co
*Deecy Products Co
*C P Hall Co
*R & A Leather Finish
*Rubber Corp of America
*Specialty Resins Co
*Tennessee Products & Chem Corp

PLASTICIZERS, NITROCELLULOSE

*Alkydol Labs
*Atlas Powder Co, Chems Div
*Baker Castor Oil Co
C P Chemical Solvents
►*Celanese Corp of America, Chem Div
Chemical Solvents, Inc
Columbian Carbon Co
►*Commercial Solvents Corp
*Dow Chem Co
►*Eastman Chem Products
*Emery Industries
►*Food Machy & Chem Corp Chems & Plastics Div
*Hatco Chem Co
*Kessler Chem Co
*Kolker Chem Corp
►*M Michel & Co
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Neville Chem Co
►*Nopco Chem Co
►Peerless Oil & Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Archer-Daniels-Midland
*Gill Chem Products
*C P Hall Co
*R & A Leather Finish Co
*Rubber Corp of America

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►*Allied Chem Corp, Plastics & Coal Chems Div
American Oil & Supply Co
*Amoco Chem Corp
*Atlas Powder Co, Chems Div
*Baker Caster Oil Co
►*Eastman Chem Products
*Emery Industries
*Glyco Chems
Harwick Standard Chem Co
*Hatco Chem Co
►Jones Chems, Inc
*Kessler Chem Co

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►See catalog advertisement (Advertisers Index)

*Kolker Chem Corp
►*Monsanto Chem Co
*Neville Chem Co
►Peerless Oil & Chem Corp
*Pennotex Oil Corp
*Pennsylvania Industrial Chem Corp
*Sherwin-Williams Co
Solvents & Chems Group
*L Sonneborn Sons
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Archer-Daniels-Midland Co
*Arnold, Hoffman & Co
*Atlantic Refining Co
*Cambridge Industries Co
*Colgate-Palmolive Co
*C P Hall Co
*National Polychems
*Pennsylvania Refining Co
*R & A Leather Finish Co
*Rubber Corp of America
*Velsicol Chem Corp
*G S Ziegler & Co

PLASTICIZERS, RUBBER

*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Cyanamid Co, Organic Chem Div
American Oil & Supply Co
*Amoco Chem Corp
*Argus Chem Corp
►Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
*Baker Castor Oil Co
►*Celanese Corp of America, Chem Div
Columbian Carbon Co
*Emery Industries
*Esso Standard Oil Co
►*Food Machy & Chem Corp, Chems & Plastics Div
Harwick Standard Chem Co
*Hatco Chem Co
*Heyden Newport Chem Corp
*Kessler Chem Co
*Kolker Chem Corp
*Mathe Chem Co
►*Monsanto Chem Co
*Morton-Withers Chem Co
*Neville Chem Co
►*Nopco Chem Co

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ADIPOL® ODY	n-Octyl n-Decyl Adipate
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Butyl Oleate	—
Butyl Stearate	—
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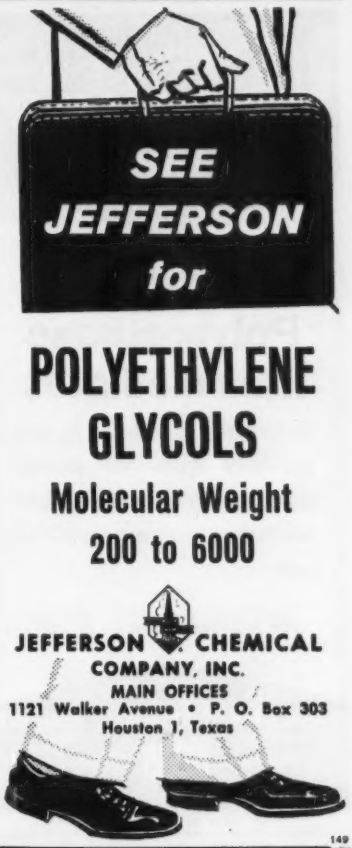
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Bonewitz Chem
Chemical Mfg Co
Clearbrook Chem Co
Filo Color & Chem Corp
Chas L Huisking & Co
McKesson & Robbins, Inc, Chem Dept
*Tuscarora Chem Works
*Whitmoyer Labs

POTASSIUM LACTATE
*City Chem Corp

POTASSIUM LAURYL SULFATE
►*Aceto Chem Co
Intex Chem Corp
*Continental Chem Co
*Process Chem Co

POTASSIUM MANGANATE
►*J T Baker Chem Co

POTASSIUM, METAL
►*J T Baker Chem Co
Kraft Chem Co
*Mallinckrodt Chem Works
*E I du Pont de Nemours & Co, Electrochem Dept

POTASSIUM METHYL SULFATE
*City Chem Corp
*NYQ Chem Div, S B Penick & Co

POTASSIUM NAPHTHENATE
*Shepherd Chem Co
*Chase Chem Corp

POTASSIUM NITRATE (Saltpeter, Nitre, Sal Prunella)
►Aceto Chem Co
H J Baker & Bro
►*J T Baker Chem Co
►Berkshire Chems Inc
*Chemical Mfg Co
Croton Chem Corp
*Davies Nitrate Co
*Filo Color & Chem Corp
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
Hummel Chem Co
Kraft Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Revelli Chems, Inc
Irving M Sobin Chem Co
►*Stauffer Chem Co
Tar Residuals
Thompson-Hayward Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Rand Chem Co

POTASSIUM NITRITE
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
Davies Nitrate Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept

POTASSIUM OLEATE
*Fisher Scientific Co
*Mathe Chem Co
►*Nopco Chem Co
*Shepherd Chem Co
*Alco Oil & Chem Corp
*Beacon Chem Industries
*Cabell Chem Co
*Chase Chem Corp
*Chicago Sanitary Products Co
*Davies-Young Soap Co
*Leffingwell Chem Co
*Seaboard Chem
*Reilly-Whiteman-Walton Co
*Fred'k A Stresen-Reuter
*Wica Chem

POTASSIUM OXALATE
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*Chas Pfizer & Co

POTASSIUM OXYMURIATE see Potassium Chlorate

POTASSIUM OXYQUINOLINE SULFATE
►*Benzol Products Co

POTASSIUM PENTABORATE
Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
*United States Borax & Chem Corp

POTASSIUM PERBORATE
*City Chem Corp
Thompson-Hayward Chem Co

POTASSIUM PERCHLORATE
►*American Potash & Chem Corp
►*J T Baker Chem Co
Bergstrom Trading Co
Croton Chem Corp
►*Hooker Chem Corp
Hummel Chem Co
International Selling Corp
*Mallinckrodt Chem Works
*G Frederick Smith Chem Co
Irving M Sobin Chem Co
Tar Residuals

POTASSIUM PERIODATE
*Eastern Chem Corp
*Mallinckrodt Chem Works
*Millmaster Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

POTASSIUM m-PERIODATE
*Arapahoe Chem
►*J T Baker Chem Co
City Chem Corp
Clearbrook Chem Co
*Fisher Scientific Co
Millmaster Chem Corp
*G Frederick Smith Chem Co
*Andor Labs

POTASSIUM PERMANGANATE (Potassium Hypomanganate, Purple Salt)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
Bonewitz Chem
*Carus Chem Co
Filo Color & Chem Corp
M W Hardy & Co
Harshaw Chem Co
Henley & Co
Inland Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
►Peerless Oil & Chem Corp
Pfaltz & Bauer, Inc
William E Phillips
J U Starkweather Co
Thompson-Hayward Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem

POTASSIUM PERSULFATE (Anthlon)
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►*Becco Chem Div
►Berkshire Chems Inc
J F Henry Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
Riches-Nelson, Inc
E M Sergeant Pulp & Chem Co
Joseph Turner & Co

POTASSIUM PHENYLACETATE
►*Benzol Products Co

POTASSIUM m-PHOSPHATE
Riches-Nelson, Inc
*Victor Chem Works

POTASSIUM o-PHOSPHATE see Potassium Phosphate, Tribasic

POTASSIUM PHOSPHATE, DIBASIC
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
►*Westvaco Mineral Products Div

POTASSIUM PHOSPHATE, MONOBASIC
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
►*Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works
►*Westvaco Mineral Products Div

POTASSIUM PHOSPHATE, TRIBASIC (Potassium o-Phosphate)
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
►*Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works
►*Westvaco Mineral Products Div
*A R Maas Chem Co Div

POTASSIUM PHTHALIMIDE
*Anderson Chem Co

POTASSIUM PRUSSIATE, YELLOW see Potassium Ferrocyanide

POTASSIUM PYROPHOSPHATE (Tetrapotassium Pyrophosphate; Potassium Pyrophosphate, Normal)
*Blockson Chem Co
►*Monsanto Chem Co
Riches-Nelson, Inc
*Victor Chem Works
►Western Pennsylvania Chem Co
►*Westvaco Mineral Products Div
*A R Maas Chem Co Div

POTASSIUM PYROSULFATE
►*J T Baker Chem Co
*City Chem Corp
*Mallinckrodt Chem Works

POTASSIUM PYROSULFITE see Potassium m-Bisulfite

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*DuBois Co

POTASSIUM RHODANIDE see Potassium Thiocyanate

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*Reilly-Whiteman-Walton
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*NYQ Chem Div, S B Penick & Co
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*Meta Chem Corp
*Simpson Labs

POTASSIUM SILICATE (Potash Waterglass)
*Cowles Chem Co
Harshaw Chem Co
International Selling Corp
Opalco Lab
►*Philadelphia Quartz Co
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*Philadelphia Quartz Co of Cal
*Sylvania Electric Products
*E I du Pont de Nemours & Co, Grasselli Chem

POTASSIUM SILICOFLUORIDE
►Aceto Chem Co
►*American Agricultural Chem Co
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*Harshaw Chem Co
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McGean Chem Co
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►*J T Baker Chem Co
►Berkshire Chems Inc
Davies Nitrate Co
*Fisher Scientific Co
Hummel Chem Co
International Commodities Corp
*International Minerals & Chem Corp, Potash Div
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
►*Tennessee Corp
Thompson-Hayward Chem Co
*Potash Co of America

POTASSIUM SULFITE
►*J T Baker Chem Co
*Mallinckrodt Chem Works

POTASSIUM SULFOCYANIDE see Potassium Thiocyanate

POTASSIUM SULFONATE
*L Sonneborn Sons
*Pilot California Co *Process Chem Co

POTASSIUM-TANTALUM FLUORIDE
*Kawecki Chem Co
*Var-Lac-Oid Chem Co

POTASSIUM TARTRATE (Tartarus, Sal Vegetal, Soluble Tartar)
►*J T Baker Chem Co
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POTASSIUM TELLURITE
*City Chem Corp
Fisher Scientific Co
*Var-Lac-Oid Chem Co

POTASSIUM TETRABORATE (Potassium Borate, Potassium Biborate)
►*Allied Chem Corp, General Chem Div
Harshaw Chem Co
*United States Borax & Chem Corp

POTASSIUM THIOCYANATE (Potassium Sulfocyanide, Potassium Rhodanide)
►*J T Baker Chem Co
Fisher Scientific Co
*Halby Chem Co
*Mallinckrodt Chem Works

POTASSIUM TITANATE
*Chemical Mfg Co
►*Titanium Alloy Mfg Div
*E I du Pont de Nemours & Co, Pigments Dept

POTASSIUM TITANIUM FLUORIDE see Titanium Potassium Fluoride

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*American Cyanamid Co, Organic Chem Div
*Dow Chem Co
Indussa Corp

POTASSIUM XANTHOGENATE see Potassium Xanthate

POTASSIUM XYLENESULFONATE
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*Ultra Chem Works Div

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*Kawecki Chem Co

POTATO SPIRIT see Oil, Fusel

POWDERS, METALLIC see Metals, Powdered

PRASEODYMIUM, METAL
►*American Potash & Chem Corp
City Chem Corp
►Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
*Millmaster Chem Corp
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co *Research Chem
*Fairmount Chem Co

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►Berkshire Chems Inc
City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co
*Fairmount Chem Co *Research Chem
*Heavy Minerals Co

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►Berkshire Chems Inc
City Chem Corp
►Davison Chem Co Div
►*Lindsay Chem Div
*Var-Lac-Oid Chem Co
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PREGNENOLONE
*Fallek Products Co
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PRESERVATIVES, FOODS
►*Allied Chem Corp, National Aniline Div
*Dow Chem Co
*Goldschmidt Chem Corp
*Heyden Newport Chem Corp
►*Hooker Chem Corp
McKesson & Robbins, Inc, Chem Dept



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►*Nopco Chem Co
*Olin Mathieson Chem Corp, Industrial Chems
►*Sumner Chem Co Div
*Union Carbide Chems Co

*Chemo Puro Mfg Corp *Fermco Labs

PRESERVATIVES, PAINT

*Ciba Co
*Dow Chem Co
*Givaudan
*Heyden Newport Chem Corp
►*Hooker Chem Corp
Merchants Chem Co
►*Monsanto Chem Co
*Nuodex Chem Co
Sindar Corp
►*Witco Chem Co

*Gallowhur Chem Corp *Scientific Oil Compounding Co
*Norton Chem Works

PRESERVATIVES, WOOD

*Advance Solvents & Chem Div
►*Allied Chem Corp, Barrett Div
►*Allied Chem Corp, Plastics & Coal Chems Div
*Chapman Chem Co
*Chemical Affiliates
*Diamond Alkali Co
*Dow Chem Co
*Harshaw Chem Co
Merchants Chem Co
►*Monsanto Chem Co
*National Casein Co
*Nuodex Products Co
*Oronite Chem Co
*Pittsburgh Coke & Chem Co
*Reilly Tar & Chem Corp
*Shepherd Chem Co
►*Tennessee Corp
*Tric Chem Works
►*Witco Chem Co

*Carroll Ltd
*Colorado Fuel & Iron Corp
*Coopers Creek Chem Corp
*Crowley Tar Products Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Ferro Chem Corp
*Gallowhur Chem Corp
*Gilbreath Chem Co
*Miller Products Co
*Norton Chem Works
*Octagon Process, Inc
*Scientific Oil Compounding Co
*Fred'k A Stresen-Reuter
*Sullivan Co
*Tennessee Products & Chem Corp
*Whitmoyer Labs
*York Chem Co

PRESPOTTERS, DRY-CLEANING

*Armour Pharmaceutical Co
►Peerless Oil & Chem Corp

*Clarkson Labs
*Davies-Young Soap Co
*Dixo Co
*B R Elk & Co
*Wallerstein Co
*Wye Industries

PREVENTIVES, RANCIDITY

*Catalin Corp of America
►*Eastman Chem Products
*Givaudan
*Heyden Newport Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►M Michel & Co
►*Monsanto Chem Co
Sindar Corp

*Amplon Corp
*Chemo Puro Mfg Corp
*Mona Industries

PREVENTIVES, RUST

►*Allied Chem Corp, Solvay Process Div
*American Oil & Supply Co
*Antara Chem Div
►*Armour Industrial Chem Co
►*Bryton Chem Co
*Diamond Alkali Co
*Esso Standard Oil Co
*Heyden Newport Chem Co
Merchants Chem Co
►*M Michel & Co
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►*Nopco Chem Co
*Oronite Chem Co
*Patent Chems
*Pittsburgh Coke & Chem Co
*Shepherd Chem Co
*Synthetic Chem
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Wyandotte Chem Corp

*Amplon Corp
*Atlas Refinery, Inc
*Bell-Ray Chem Corp
*Carboline Co
*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Petroleum Chems Div
*Clarkson Labs
*Dominion Products
*DuBois Co
*Emkay Chem Co
*Eureka Chem Co
*Fiber Chem Corp
*Benjamin Foster Co
*Hadley Bros-Uhl Co
*Hagan Chem & Controls
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*Klem Chem
*Kryion, Inc
*Harry Miller Corp
*Mobil Oil Co
*Mona Industries
*National Aluminate Corp
*Norton Chem Works
*Oakite Products
*Octagon Process, Inc
*Penetone Co
*Pennsylvania Refining Co
*Quigley Co
*Rayo. Chem Co
*Reilly-Whiteman-Walton Co
*G Whitfield Richards
*Rust-Oleum Corp
*Shell Oil Co
*Titan Chem Products
*Tretolite Co Div
*Troy Chem Co
*United States Petrochem Co
*Varnilon Co
*Wye Industries

PREVENTIVES, SLIME

►*Allied Chem Corp, Solvay Process Div
*Antara Chem Div
*Ciba Co
►*Commercial Solvents Corp
*Dow Chem Co
*Heyden Newport Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
►*Tennessee Corp
►*Westvaco Mineral Products Div
►*Wilson-Martin (Div Wilson & Co)
►*Wyandotte Chem Corp

*Amalgamated Chem Corp
*Amplon Corp
*Chemo Puro Mfg Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Gallowhur Chem Corp
*Hagan Chem & Controls
*Harry Miller Corp
*National Aluminate Corp
*Norton Chem Works
*Oakite Products
*Penetone Co
*Troy Chem Co
*United States Petrochem Co

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*Adhesive Products Corp
*Allied Finishing Specialties Co
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*Chemical Coatings & Engrg Co
*E I du Pont de Nemours & Co, Finishes Div
*Interchem Corp, Finishes Div
*Lacquer Specialties
*Maas & Waldstein Co
*L Carleton Mertz Co
*Monroe Sander Corp
*Pierce & Stevens Chem
*Pyroxylin Products
*Raff & Swansen
*Rubba, Inc

PRIMERS, PAINT, METAL

►*Allied Chem Corp, Barrett Div
*Better Finishes & Coatings
*National Lead Co
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*Sherwin-Williams Co

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*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Atlas Mineral Products Co
*Borne Chem Co
*Carboline Co
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*Dampney Co
*E I du Pont de Nemours & Co, Finishes Div
*Benjamin Foster Co
*Hadley Bros-Uhl Co
*Illinois Minerals Co
*Inertol Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Maas & Waldstein Co
*Monroe Sander Corp
*Prufcoat Labs
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*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
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*Tropical Paint Co
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PRIMERS, PAINT, WOOD

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*National Lead Co
*Sherwin-Williams Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Armstrong Paint & Varnish Works
*Carboline Co
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
*E I du Pont de Nemours & Co, Finishes Div
*Illinois Minerals Co
*Inertol Co
*Interchem Corp, Finishes Div
*Krylon, Inc
*Maas & Waldstein Co
*Monroe Sander Corp
*Pierce & Stevens Chem
*Quigley Co
*Rowe Products, Inc
*Rubba, Inc
*Tropical Paint Co
*William Zinsser Co

PRIMERS, ROOFING

►*Allied Chem Corp, Barrett Div
►*Monsanto Chem Co
*Pittsburgh Coke & Chem Co

*Adhesive Products
*Chemical Coatings & Engrg Co
*Coopers Creek Chem Corp
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*Illinois Minerals Co
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PRINTERS' ACETATE see Aluminum Acetate, Basic

PRIVATE FORMULAS—see also Services Section, Private Formula Services

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*Ampion Corp
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*Penetone Co
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*B L Lemke & Co
*Gamma Chem Corp

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►Aceto Chem Co
►*Allied Chem Corp, National Aniline Div
►*Metal & Thermit Corp

PROFLAVINE HYDROCHLORIDE
►*Allied Chem Corp, National Aniline Div

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*Phillips Petroleum Co, Special Products Div
*Mobile Oil Co
*Union Carbide Olefins Co
*Shell Oil Co
*United Fuel Gas Co

1,2-PROPANEDIOL see Propylene Glycol

1,3-PROPANEDIOL see Trimethylene Glycol

PROPANETRIOL see Glycerine

1-PROPANOL see Alcohol, n-Propyl

2-PROPANOL see Alcohol, Isopropyl

2-PROPANONE see Acetone

PROPARGYL BROMIDE
*Antara Chem Div
*Farchan Research Labs

PROPARGYL CHLORIDE
*Farchan Research Labs

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►*Allied Chem Corp, General Chem Div
*Dow Chem Co
►*E I du Pont de Nemours & Co, "Freon" Products Div
*Pennsalt Chems Corp
*Phillips Petroleum Co, Special Products Div
►*Stauffer Chem Co
*Union Carbide Chems Co
*E I du Pont de Nemours & Co, Electrochem Dept

PROPENAL see Acrolein

PROPENE see Propylene

PROPENENITRILE see Acrylonitrile

2-PROPEN-1-OL see Alcohol, Allyl

PROPENYLCARBINOL see Alcohol, Crotyl

β-PROPIOLACTONE
►*Celanese Corp of America, Chem Div
*Farchan Research Labs

PROPIOLIC ACID ESTERS
*Kaplop Labs

PROPIONALDEHYDE
*Union Carbide Chems Co
*Kaplop Labs

PROPIONE see Diethyl Ketone

PROPIONIC ANHYDRIDE
►*Celanese Corp of America, Chem Div
►*Eastman Chem Products
*Union Carbide Chems Co

PROPIONIC ESTER see Ethyl Propionate

PROPIONYL CHLORIDE
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Florasynth Labs
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PROPYLCARBINOL see Alcohol, n-Butyl

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*Dewey & Almy Chem Div
*National Polychems
*New Jersey Zinc Co
*Puget Sound Pulp & Timber Co
*Synvar Corp
*W Va Pulp & Paper Co, Polychems Div

RELEASE AGENTS, MOLD

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Antara Chem Div
*Argus Chem Corp
►*Armour Industrial Chem Co
►Berkshire Chems Inc
*Chemical Affiliates
*Concord Chem Co
*Dow Chem Co
*Dow Corning Corp
►*Eastman Chem Products
*Fine Organics
*General Elec Co, Silicone Products
*Glyco Chems
Harwick Standard Chem Co
►*Jefferson Chem Co
Merchants Chem Co
►*M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*L Sonneborn Sons
►*Sun Oil Co
*Joseph Turner & Co
*Union Carbide Chems Co
*Union Carbide Corp, Silicones Div
Wallach-Gracer Export Corp
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
►*Wyandotte Chem Corp

*Adhesive Products Corp
*Applied Products Co
*Aries Labs
*Atlas Refinery Inc
*B B Chem Co
*Chase Chem Corp
*Chemical Development Corp
*Du Bois Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Fuld Bros
*C P Hall Co
*Interchem Corp, Finishes Div
*Joy Chem Co
*Merix Chem Co
*Metro-Atlantic, Inc
*Mol Rez Div
*Mona Industries
*National Aluminate Corp
*National Polychems
*National Starch & Chem Corp
*Penetone Co
*Pennsylvania Refining Co
*Renite Co
*Rubba, Inc
*United States Gypsum Co
*Wye Industries

REODORANTS, INDUSTRIAL

►*Allied Chem Corp, Solvay Process Div
*Dow Chem Co
*Florasynth Labs
*Givaudan
*S B Penick & Co
*Polak & Schwarz
Sindar Corp
*Union Carbide Chems Co

*Alpine Aromatics
*Chema Puro Mfg Corp
*Fritzsche Bros
*Fuld Bros
*Rhodia, Inc

RESEARCH CHEMICALS

►*Allied Chem Corp, Solvay Process Div
►*American Potash & Chem Corp
*Arapahoe Chem
►*Borden Chem Co
*Godfrey L Cabot
*Chemical Commerce
*Diamond Alkali Co
*Dow Chem Co
*Eastern Chem Corp
►*Eastman Chem Products
*Farchan Research Labs
*Hummel Chem Co
*Mallinckrodt Chem Works
*Matheson Coleman & Bell
►*Monsanto Chem Co
*Phillips Petroleum Co, Special Products Div
*L Sonneborn Sons
►*Stauffer Chem Co
*Union Carbide Chems Co

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*Union Carbide Corp, Silicones Div
*Var-Lac-Oid Chem Co
Wallach-Gracer Export Corp
▶*Wyandotte Chem Corp

*Bio-Rad Labs
*Biorganic Labs
*Bram Metal-Chem Co
*Brethare Chem Co
*Cambridge Industries Co
*Climax Molybdenum Co
*Edcan Labs
*Wallace A Ericksen & Co
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*Henley & Co
*Mallinckrodt Chem Works
*S B Penick & Co

*Roselle Labs

RESIN DISPERSIONS see Dispersions

RESIN EMULSIONS

*Alkydol Labs
*American Cyanamid Co, Organic Chem Div
▶*Borden Chem Co
*Burtonite Co
*Catalin Corp of America
*Ciba Co
▶*Colton Chem Co
*Concord Chem Co
Harwick Standard Chem Co
*Maher Color & Chem Co
▶M Michel & Co
*Morningstar-Paisley Inc
▶*Nopco Chem Co
*Pennsylvania Industrial Chem Corp
▶*Reichhold Chems, Inc
▶*Rohm & Haas Co
*Sartomer Resins, Inc
*Shawinigan Resins Corp
*Stein, Hall & Co
*Union Carbide Corp, Silicones Div
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*American Cyanamid Co, Plastics & Resins Div
*American Finish & Chem Co
*Archer-Daniels-Midland Co
*B B Chem Co
*California Ink Co
*Celanese Corp of America, Plastics Div
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Div
*Emkay Chem Co
*Firestone Plastics Co
*Franklin Chem Co
*Glidden Co
*Hadley Bros-Uhl Co
*Hart Products Co
*E F Houghton & Co
*Industrial Chem Specialties Co
*Interchem Corp, Finishes Div
*Jones-Dabney Co
*Joy Chem Co
*Major Chem & Latex Corp
*Metro-Atlantic, Inc
*Midland Adhesive & Chem Corp
*Mol Rez Div
*Mona Industries
*National Polychems
*National Starch & Chem Corp
*Naugatuck Chem Co
*Plastics Engineering Co
*Polyvinyl Chems
*R & A Leather Finish Co
*Rubba, Inc
*Rubber Corp of America
*Scholler Bros
*Specialty Resins Co
*A E Staley Mfg Co
*Synco Resins
*Synvar Corp
*UBS Chem Corp
*Union Carbide Plastics Co
*United Paste & Glue Corp

RESIN SOLUTION

►*Allied Chem Corp, Plastics & Coal Chems Div
*Amoco Chem Corp
*Catalin Corp of America
*Dow Corning Corp
►*General Mills, Chem Div
Harwick Standard Chem Co
*Neville Chem Co
*S B Penick & Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
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*Borne Chem Co
*Cargill, Inc
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Claremont Pigment Dispersion Corp
*Crownoil Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Franklin Oil & Gas Co
*Furane Plastics
*Glidden Co
*Hughes Glue Co
*Goodyear Tire and Rubber Co, Chem Div
*Jones-Dabney Co
*Joy Chem Co
*Metro-Atlantic, Inc
*Midland Adhesive & Chem Corp
*Mol Rez Div
*National Polychems
*National Starch & Chem Corp
*C J Osborn Co
*Polyvinyl Chems
*Pyroxylin Products
*Schenectady Varnish Co
*Scher Bros
*Southern Naval Stores Div
*Synco Resins
*Synvar Corp
*United Paste & Glue Corp
*Warwick Chem Co Div
*Wica Chem

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►*Allied Chem Corp, Plastics & Coal Chems Div
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*Catalin Corp of America
*Ciba Co
►*Colton Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
►*Onyx Oil & Chem Co
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*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
►Barclay Chem Co
►*Borden Chem Co
*Burtonite Co
*Catalin Corp of America
*Ciba Co
►*Colton Chem Co
*Dow Chem Co
►*General Mills, Chem Div
O G Innes Corp
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*National Casein Co
►*Nopco Chem Co
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Stein, Hall & Co

*Adhesive Products, Inc
*Adhesive Products Corp
*A Adler & Son
*American Cyanamid Co, Plastics & Resins Div
*American Finish & Chem Co
*American-Marietta Co
*Applied Plastics Co
*Arabol Mfg Co
*Archer-Daniels-Midland Co
*Aries Labs
*Armour Alliance Industries, Adhesives Dept
*Atlantic Refining Co
*B B Chem Co
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Chemical Process Co
*Peter Cooper Corps
*Devcon Corp
*Dewey & Almy Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Durez Plastics Div
*Epoxylite Corp
*Fabric Chem Co
*L W Ferdinand & Co
*Firestone Plastics Co
*Franklin Chem Co
*Furane Plastics
*Gill Chem Products
*Heresite & Chem Co
*Industrial Adhesive Co
*Industrial Chem Specialties
*Jewel Labs
*Jones-Dabney Co
*Joy Chem Co
*Marblette Corp
*Marks Chem Works
*Midland Adhesive & Chem Corp
*National Polychems
*National Starch & Chem Corp
*Perkins Glue Co
*Plastics Engineering Co
*Polyvinyl Chems
*Raybestos-Manhattan
*Rubba, Inc
*Rubber & Asbestos Corp
*Scholler Bros
*Shell Chem Corp
*Stiktotin Co
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co
*United Paste & Glue Corp

RESINS, ALKYD

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►*Allied Chem Corp, Plastics & Coal Chems Div
►Barclay Chem Co
Chemsol, Inc
*Hilton-Davis Chem Co Div
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
*Refined Products Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co

*American Cyanamid Co, Plastics & Resins Div
*American Lithographic Varnish Co
*Archer-Daniels-Midland Co
*Bryant Chem Corp
*California Ink Co
*Crownoil Chem Co
*Emkay Chem Co
*General Elec Co, Chemical Materials Dept
*Glidden Co
*Jones-Dabney Co
*Mol Rez Div
*C J Osborn Co
*Schenectady Varnish Co
*Scher Bros
*Specialty Resins Co
*Fred'k A Stresen-Reuter
*United Wallpaper Inc

RESINS, ANILINE-FORMALDEHYDE

►*Allied Chem Corp, Plastics & Coal Chems Div
*Ciba Co
►*Onyx Oil & Chem Co

*Alcylite Plastics & Chem Corp
*Carwin Polymer Products
*Continental Chem Co
*Synco Resins

RESINS, BONDING & CASTING

►*Allied Chem Corp, Plastics & Coal Chems Div
►*Borden Chem Co
*Catalin Corp of America
*Ciba Co
►*Colton Chem Co
*Columbia-Southern Chem Corp
*Dow Chem Co
*Dow Corning Corp
►*Food Machy & Chem Corp, Chems & Plastics Div
►*General Mills, Chem Div
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
►*Thiokol Chem Corp
*Union Carbide Corp, Silicones Div

*Acme Resin Corp
*Adhesive Products Corp
*A Adler & Son
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American-Marietta Co
*Applied Plastics
*Archer-Daniels-Midland Co
*Aries Labs
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Chemical Process Co
*Devcon Corp
*Durez Plastics Div
*Epoxylite Corp
*Furane Plastics
*H V Hardman Co
*Interchem Corp, Finishes Div
*Jones-Dabney Co
*Midland Adhesive & Chem Corp
*Mol Rez Div
*National Polychems
*Naugatuck Chem Div
*Plastics Engineering Co
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*Crowley Tar Products
*Furane Plastics
*Schenectady Varnish Co

RESINS, COATING

*Alkydol Labs
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►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Amoco Chem Corp
►*Borden Chem Co
*Ciba Co
*Dow Chem Co
*Dow Corning Corp
►*General Mills, Chem Div
*Hilton-Davis Chem Co Div
O G Innes Corp
*Morningstar-Paisley, Inc
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Sherwin-Williams Co
*Stein, Hall & Co
►*Thiokol Chem Corp
*Union Carbide Corp, Silicones Div
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American-Marietta Co
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*California Ink Co
*Celanese Corp of America, Plastics Div
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Ciba Products Corp
*Crownoil Chem Co
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*E I du Pont de Nemours & Co, Electrochem Dept
*Durez Plastics Div
*Firestone Plastics Co
*Goodyear Tire & Rubber Co, Chem Div
*H V Hardman Co
*Industrial Chem Specialties Co
*Jones-Dabney Co
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*Mol Rez Div
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*Naugatuck Chem Div
*C J Osborn Co
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*Raybestos-Manhattan
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Shell Chem Corp
*A E Staley Mfg Co
*Fred'k A Stresen-Reuter
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co
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*Varcum Chem Corp

RESINS, CONDENSATION

*Alkydol Labs
*Pennotex Oil Corp
►*Rohm & Haas Corp
*Acme Resin Corp
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American-Marietta Co
*Applied Plastics Co
*Crownoil Chem Co
*Heresite & Chem Co
*National Polychems
*Naugatuck Chem Div
*C J Osborn Co
*Perkins Glue Co
*Rayonier, Inc
*Shanco Plastics & Chems
*Synco Resins

RESINS, COUMARONE-INDENE

►*Allied Chem Corp, Plastics & Coal Chems Div
Harwick Standard Chem Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
*Crowley Tar Products Corp

RESINS, DRY BLENDING

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►*Monsanto Chem Co
*Shawinigan Resins Corp
*American Cyanamid Co, Plastics & Resins Div
*Aries Labs
*Firestone Plastics Co
*Pantasote Co, Eleonora Chem Div
*Synco Resins
*Synvar Corp

RESINS, EPICHLORHYDRIN
see Resins, Epoxy

RESINS, EPOXY

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►*Allied Chem Corp, Plastics & Coal Chems Div
►*Borden Chem Co
*Ciba Co

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*Dow Chem Co
►*Food Machy & Chem Corp, Chems & Plastics Div
►*Reichhold Chems, Inc
*Sherwin-Williams Co
Thompson-Hayward Chem Co

*Applied Plastics Co
*Aries Labs
*Chemical Development Corp
*Ciba Products Corp
*Crownoil Chem Co
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*Glidden Co
*Jones-Dabney Co
*Marblette Corp
*C J Osborn Co
*Rubba, Inc
*Shell Chem Corp
*Synco Resins
*Union Carbide Plastics Co
*United States Gypsum Co

RESINS, FURFURYL ALCOHOL

*Catalin Corp of America
*National Casein Co

*Alcylite Plastics & Chem Corp
*Durez Plastics Div
*Furane Plastics
*Minnesota Mining & Mfg Co, Chem Div
*Synco Resins
*Synvar Corp

RESINS, HEAT-RESISTANT

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►*Allied Chem Corp, General Chem Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Borden Chem Co
*Catalin Corp of America
*E I du Pont de Nemours & Co, Polychem Dept
*Dow Chem Co
*Dow Corning Corp
►*Food Machy & Chem Corp, Chems & Plastics Div
►*Monsanto Chem Co
►*Rohm & Haas Co
*Union Carbide Chem Corp, Silicones Div

*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*Aries Labs
*Carwin Polymer Products
*Chemical Coatings & Engrg Co
*Devcon Corp
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*Koppers Co, Plastics Div
*Marblette Corp
*National Polychems
*Naugatuck Chem Div
*Raybestos-Manhattan
*Shell Chem Corp
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co

RESINS, HIGH STYRENE

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Harwick Standard Chem Co
►*Monsanto Chem Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp

*Goodyear Tire & Rubber Co, Chem Div
*Koppers Co, Plastics Div
*Naugatuck Chem Div
*Shanco Plastics & Chems
*Wica Chem

RESINS, HYDROCARBON

*Alkydol Labs
*Amoco Chem Corp
*Antara Chem Div
*Dow Chem Co
Harwick Standard Chem Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp

*Atlantic Refining Co
*Crowley Tar Products Corp
*Furane Plastics
*C P Hall Co
*Velsicol Chem Corp

RESINS, IMPREGNATING

►*Allied Chem Corp, Plastics & Coal Chems Div
*American Cyanamid Co, Organic Chem Div
*Amoco Chem Corp
►*Borden Chem Co
*Catalin Corp of America
*Dow Corning Corp
►*General Mills, Chem Div
►M Michel & Co
►*Monsanto Chem Co
*Neville Chem Co
*Pennotex Oil Corp
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Thiokol Chem Corp
*Union Carbide Corp, Silicones Div

*Acme Resin Corp
*Alco Oil & Chem Corp
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American-Marietta Co
*Aries Labs
*Borne Chem Co
*Celanese Corp of America, Plastics Div
*Devcon Corp
*Durez Plastics Div
*Epoxylite Corp
*Heresite & Chem Co
*Interchem Corp, Finishes Div
*Jones-Dabney Co
*Joy Chem Co
*Marblette Corp
*Mol Rez Div
*National Polychems
*National Starch & Chem Corp
*Naugatuck Chem Div
*Plastics Engineering Co
*Schenectady Varnish Co
*Scholler Bros
*Shanco Plastics & Chems
*Shell Chem Corp
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co
*United States Gypsum Co
*Velsicol Chem Corp
*Warwick Chem Co Div

RESINS, ION-EXCHANGE

►*J T Baker Chem Co
*Dow Chem Co
R W Greeff & Co
►*Monsanto Chem Co
►*Rohm & Haas Co

*Bio-Rad Labs
*Chemical Process Co
*Elgin Softener Corp
*Hagan Chems & Controls
*Permutit Co

RESINS, ISOCYANATE

►*Allied Chem Corp, National Aniline Div
►Baird Chem Industries, Inc
►*Nopco Chem Co

*Applied Plastics Co
*Aries Labs
*California Ink Co
*Carwin Polymer Products
*Chase Chem Co
*Chemical Coatings & Engrg Co
*Furane Plastics
*Glidden Co
*Mobay Chem Co
*Mol Rez Div
*Process Chem Co
*Rubba, Inc

RESINS, LAMINATING

►*Allied Chem Corp, Plastics & Coal Chems Div
►*Allied Chem Corp, Semet-Solvay Petrochem Div
►*Borden Chem Co
*Catalin Corp of America
*Dow Chem Co
*Dow Corning Corp
►*Food Machy & Chem Corp, Chems & Plastics Div
►*General Mills, Chem Div
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Stein, Hall & Co
*Union Carbide Corp, Silicones Div

*Acme Resin Corp
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American Marietta Co
*Applied Plastics Co
*Archer-Daniels-Midland Co
*Aries Labs
*Chemical Development Corp
*Chemical Process Co
*Ciba Products Corp
*Devcon Corp
*Epoxylite Corp
*Wallace A Erickson & Co
*Furane Plastics
*Industrial Chem Specialties Co
*Interchem Corp, Finishes Div
*Jones-Dabney Co
*Marblette Corp
*Mol Rez Div
*National Polychems
*National Starch & Chem Corp
*Naugatuck Chem Div
*Plastics Engineering Co
*Raybestos-Manhattan
*Schenectady Varnish Co
*Shell Chem Corp
*A E Staley Mfg Co
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co
*United Paste & Glue Corp
*United States Gypsum Co
*Varcum Chem Corp

RESINS, MALEIC

*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co

*Archer-Daniels-Midland Co
*California Ink Co
*Jones-Dabney Co
*C J Osborn Co
*Schenectady Varnish Co
*Shanco Plastics & Chems

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►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co

*Archer-Daniels-Midland Co
*California Ink Co
*C J Osborn Co

RESINS, MELAMINE

►*Allied Chem Corp, Plastics & Coal Chems Div
►*American Cyanamid Co, Industrial Chem Div
*American Cyanamid Co, Organic Chem Div
►Baird Chem Industries, Inc
*Catalin Corp of America
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co

*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div

RESINS, METHACRYLATE

►*Borden Chem Co
►*Rohm & Haas Co
*Sartomer Resins, Inc

*E I du Pont de Nemours & Co, Dyes & Chem Div
*Polyvinyl Chems
*Wica Chem

RESINS, NATURAL see Gums

RESINS, OILPROOF

*Alkydol Labs
►*Borden Chem Co
►*Colton Chem Co
*E I du Pont de Nemours & Co, Polychem Dept
►*Monsanto Chem Co
*Pennsylvania Industrial Chem Corp

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*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*Aries Labs
*Chemical Coatings & Engrg Co
*Chemical Development Corp
*Devcon Corp
*H V Hardman Co
*National Starch & Chem Corp
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Synco Resins

RESINS, PETROLEUM

*Amoco Chem Corp
►Enjay Co
Harwick Standard Chem Co
►*Monsanto Chem Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
Petroleum By-Products & Chem Co

*Atlantic Refining Co
*Crowley Tar Products Co
*C P Hall Co
*Kenrich Corp
*Velsicol Chem Corp

RESINS, PHENOL-FORMALDEHYDE

*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Borden Chem Co
*Catalin Corp of America
►*Koppers Co, Chems & Dyestuffs Div
*National Casein Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co

*Acme Resin Corp
*Alcylite Plastics & Chem Corp
*American-Marietta Co
*W R E Andrews Sales
*Chemical Process Co
*Crowley Tar Products Co
*Durez Plastics Div
*General Elec Co, Chem Materials Dept
*H V Hardman Co
*Heresite & Chem Co
*Marblette Corp
*National Polychems
*Perkins Glue Co
*Permutit Co
*Plastics Engineering Co
*Raybestos-Manhattan
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co

RESINS, PHENOL-FURFURAL

►*Borden Chem Co
*Catalin Corp of America
►*Koppers Co, Chems & Dyestuffs Div
►*Reichhold Chems, Inc

*Alcylite Plastics & Chem Corp
*W R E Andrews Sales
*National Polychems
*Raybestos-Manhattan
*Plastics Engineering Co
*Synvar Corp
*Union Carbide Plastics Co

RESINS, PHENOLIC, MODIFIED

*Alkydol Labs
►*Borden Chem Co
*Catalin Corp of America
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
*National Casein Co
*Neville Chem Co
►*Onyx Oil & Chem Co
Pennotex Oil Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co
*Union Carbide Corp, Silicones Div

*Acme Resin Corp
*Alcylite Plastics & Chem Corp
*American-Marietta Co
*W R E Andrews Sales
*Archer-Daniels-Midland Co
*Chemical Process Co
*Crownoil Chem Co
*Durez Plastics Div
*General Elec Co, Chemical Materials Dept
*Haveg Industries
*Jones-Dabney Co
*Minnesota Mining & & Mfg Co, Chem Div
*National Polychems
*C J Osborn Co
*Plastics Engineering Co
*Raybestos-Manhattan
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Synco Resins
*Synvar Corp
*Union Carbide Plastics Co

RESINS, POLYAMIDE

*Ciba Co
*E I du Pont de Nemours & Co, Polychem Dept
►*General Mills, Chem Div
*Olin Mathieson Chem Corp, Organic Chems

*Firestone Plastics Co
*Furane Plastics
*Interplastics Corp
*Spencer Chem Co

RESINS, POLYESTER

*Alkydol Labs
►*Allied Chem Corp, Plastics & Coal Chems Div
*Atlas Powder Co, Chems Div
*Degen Oil & Chem Co
►*Reichhold Chems, Inc

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►*Rohm & Haas Co
*Sherwin-Williams Co
►*Witco Chem Co

*American Cyanamid Co, Plastics & Resins Div
*Archer-Daniels-Midland Co
*Cambridge Industries Co
*Celanese Corp of America, Plastics Div
*Chemical Process Co
*Durez Plastics Div
*Wallace A Erickson & Co
*Goodyear Tire & Rubber Co, Chem Div
*Interchem Corp, Finishes Div
*Mobay Chem Co
*Mol Rez Div
*Naugatuck Chem Div
*C J Osborn Co
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Specialty Resins Co

RESINS, POLYETHYLENE

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Dow Chem Co
►*Monsanto Chem Co
►*Onyx Oil & Chem Co
►*US Industrial Chem Co Div

*Celanese Corp of America, Plastics Div
*W R Grace & Co, Polymer Chem Div
*Interplastics Corp
*Koppers Co, Plastics Div
*Mona Industries
*Scholler Bros
*Spencer Chem Co
*Union Carbide Plastics Co

RESINS, POLYSILOXANE

*Dow Corning Corp
*Union Carbide Corp, Silicones Div

*Anderson Chem Co

RESINS, POLYSTYRENE

*Catalin Corp of America
*Dow Chem Co
Harwick Standard Chem Co
►*Monsanto Chem Co

*Interplastics Corp
*Koppers Co, Plastics Div
*Permutit Co
*Union Carbide Plastics Co

RESINS, POLYURETHANE

►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Plastics & Coal Chems Div
►*Nopco Chem Co
►*Reichhold Chems, Inc
►*Thiokol Chem Corp
►*Witco Chem Co

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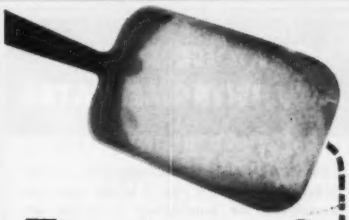
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*Applied Plastics Co
*California Ink Co
*Carwin Polymer Products
*Chase Chem Corp
*Chemical Coatings & Engrg Co
*Furane Plastics
*Isocyanate Products
*Mol Rez Div
*Process Chem Co
*Rubber Corp of America
*Schenectady Varnish Co

RESINS, POLYVINYL CHLORIDE

►*Borden Chem Co
*Cary Chems
DeMert & Dougherty, Inc
*Diamond Alkali Co
*Dow Chem Co
International Selling Corp
►*Monsanto Chem Co
*Pennotex Oil Corp
*Escambia Chem Corp
*Firestone Plastics Co
*Furane Plastics
*B F Goodrich Chem Co
*General Tire & Rubber Co
*Naugatuck Chem Div
*Goodyear Tire & Rubber Co, Chem Div
*National Starch & Chem Corp
*Pamlasote Co, Eleonora Chem Div
*Rubber Corp of America
*Thompson Chem Co
*Union Carbide Plastics Co

RESINS, PRINTING INK

*Alkydol Labs
►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Amoco Chem Corp
►*Colton Chem Co
►*General Mills, Chem Div
*Heyden Newport Chem Corp
*Hilton-Davis Chem Co Div
*Neville Chem Co
*Olin Mathieson Chem Corp, Organic Chems
*Pennsylvania Industrial Chem Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Sherwin-Williams Co
*American Cyanamid Co, Plastics & Resins Div
*American Lithographic Varnish Co
*W R E Andrews Sales
*Archer-Daniels-Midland Co
*Aries Labs
*Carroll Ltd
*Durez Plastics Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Firestone Plastics Co
*C J Osborn Co
*Schenectady Varnish Co
*Shanco Plastics & Chems
*Fredk A Stresen-Reuter
*Velsicol Chem Corp

RESINS, RESORCINOL

►*Borden Chem Co
*Catalin Corp of America
►*Koppers Co, Chems & Dyestuffs Div
►*Monsanto Chem Co
*National Casein Co
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Alcylite Plastics & Chem Corp
*American-Marietta Co
*Durez Plastics Div
*National Polychems
*Perkins Glue Co
*Schenectady Varnish Co
*Synvar Corp
*Varcum Chem Corp

RESINS, ROSIN DERIVATIVES

*Alkydol Labs
*Hilton-Davis Chem Co Div
►*Reichhold Chems, Inc
*Crownoll Chem Co
*Glidden Co
*C J Osborn Co
*Schenectady Varnish Co
*Shanco Plastics Chems
*Wica Chem

RESINS, ROTENONE

*S B Penick & Co
*Chemical Insecticide Corp
*Fairfield Chem Div
*Prentiss Drug & Chem Co

RESINS, RUBBER

*Alkydol Labs
*Amoco Chem Corp
►*Borden Chem Co
Harwick Standard Chem Co
*Neville Chem Co
*Pennsylvania Industrial Chem Corp
►*Thiokol Chem Corp
*Crowley Tar Products Co
*Dewey & Almy Chem Div
*Firestone Plastics Co
*B F Goodrich Chem Co
*Goodyear Tire & Rubber Co, Chem Div
*C P Hall Co
*Minnesota Mining & Mfg Co, Chem Products Group
*National Polychems
*Schenectady Varnish Co
*Synvar Corp
*Velsicol Chem Corp
*Wica Chem

RESINS, SILICONE

*Dow Corning Corp
*General Elec Co, Silicone Products
Harwick Standard Chem Co
►*Onyx Oil & Chem Co
*Union Carbide Corp, Silicones Div
*Anderson Chem Co
*Aries Labs
*Warwick Chem Co Div

RESINS, SILICONE-ALKYD

*American Cyanamid Co, Organic Chem Div
*Dow Corning Corp
*Sherwin-Williams Co
*Schenectady Varnish Co

RESINS, STYRENEACRYLONITRILE

*Ciba Co
►*Colton Chem Co
*Dow Chem Co
*American Cyanamid Co Plastics & Resins Div
*B F Goodrich Chem Co
*Naugatuck Chem Div
*Union Carbide Plastics Co
*Wica Chem

RESINS, SYNTHETIC see Plastics, Synthetic Resin and specific resin

RESINS, TERPENE

Harwick Standard Chem Co
*S B Penick & Co
*Pennsylvania Industrial Chem Corp
*W R E Andrews Sales
*Durez Plastics Div
*Glidden Co
*Schenectady Varnish Co

RESINS, TETRAFLUOROETHYLENE

*E I du Pont de Nemours & Co, Polychem Dept
*Acheson Colloids Co

RESINS, TEXTILE

*Alkydol Labs
►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Cyanamid Co, Organic Chem Div
►*Borden Chem Co
*Catalin Corp of America
*Ciba Co
►*Colton Chem Co
*Maher Color & Chem Co
►*Monsanto Chem Co
*National Casein Co
►*Onyx Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Refined Products Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Shawinigan Resins Corp
*Amalgamated Chem Corp
*Bryant Chem Corp
*Carlstadt Chem Co
*E I du Pont de Nemours & Co, Dyes & Chems Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Eastern Color & Chem
*Emkay Chem Co
*Fabric Chem Co
*B F Goodrich Chem Co
*Hart Products Corp
*E F Houghton & Co
*Joy Chem Co
*Metro-Atlantic, Inc
*National Polychems & Chem Corp
*National Starch & Chem Corp
*Naugatuck Chem Div
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Synvar Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem

RESINS, UREA-FORMALDEHYDE

*American Cyanamid Co, Organic Chem Div
►Barclay Chem Co
►*Borden Chem Co
*Catalin Corp of America
*Ciba Co
*Maher Color & Chem Co
►*Monsanto Chem Co
*National Casein Co
►*Onyx Oil & Chem Co
*Refined Products Corp
►*Reichhold Chems, Inc
►*Rohm & Haas Co
*Sherwin-Williams Co
*Alcylite Plastics & Chem Corp
*American Cyanamid Co, Plastics & Resins Div
*American-Marietta Co
*Bryant Chem Corp
*Crown Chem Corp
*Eastern Color & Chem Co
*Emkay Chem Co
*Jones-Dabney Co
*Metro-Atlantic, Inc
*National Polychems
*Perkins Glue Co
*Permutit Co
*Sandoz Inc
*Scher Bros
*Synvar Corp
*Warwick Chem Co Div
*Wica Chem

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
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RESINS, VARNISH

•Alkydol Labs
▶•Allied Chem Corp, Plastics & Coal Chems Div
•Amoco Chem Corp
▶Barclay Chem Co
•Dow Chem Co
•Dow Corning Corp
•Hilton-Davis Chem Co Div
O G Innes Corp
•Neville Chem Co
•Pennsylvania Industrial Chem Corp
▶•Reichhold Chems, Inc
▶•Rohm & Haas Co
•Sherwin-Williams Co
•Union Carbide Corp, Silicones Div

•Alcylite Plastics & Chem Corp
•American Cyanamid Co, Plastics & Resins Div
•Archer-Daniels-Midland
•Aries Labs
•California Ink Co
•Crownoil Chem Co
•E I du Pont de Nemours & Co, Finishes Div, Industrial
•Furane Plastics
•Heresite & Chem Co
•Marblette Corp
•National Polychems
•C J Osborn Co
•Schenectady Varnish Co
•Shanco Plastics & Chems
•Shell Chem Corp
•Synco Resins
•Synvar Corp
•Union Carbide Plastics Co
•Velsicol Chem Corp

RESINS, VINYL, excluding Polyvinyl Chloride

▶•Borden Chem Co
▶•Colton Chem Co
•Shawinigan Resins Corp
•Stein, Hall & Co
•Union Carbide Corp, Silicones Div

•Amalgamated Chem Corp
•E I du Pont de Nemours & Co, Electrochem Dept
•Franklin Chem Co
•National Starch & Chem
•Synco Resins
•Union Carbide Plastics Co
•Wica Chem

RESINS, VINYL ORGANOSOL

▶•Borden Chem Co
•Diamond Alkali Co
•Morningstar-Paisley, Inc

•Firestone Plastics Co
•B F Goodrich Chem Co
•Naugatuck Chem Div
•Rubba, Inc
•Union Carbide Pastics Co

RESINS, VINYL PLASTISOL

▶•Borden Chem Co
•Diamond Alkali Co
•Morningstar-Paisley, Inc

•Firestone Plastics Co
•Furane Plastics
•B F Goodrich Chem Co
•Naugatuck Chem Div
•Rubba, Inc
•Union Carbide Plastics Co

RESINS, WATER-SOLUBLE

•American Cyanamid Co, Market Development Dept
•American Cyanamid Co, Organic Chem Div
▶•Borden Chem Co
•Catalin Corp of America
▶•Colton Chem Co
▶•Koppers Co, Chems & Dyestuffs Div
▶M Michel & Co
•Morningstar-Paisley, Inc
▶•Napco Chem Co
▶•Onyx Oil & Chem Co
•Pennsylvania Industrial Chem Corp
▶•Reichhold Chems, Inc
▶•Rohm & Haas Co
•Shawinigan Resins Corp
•Union Carbide Chems Co

•Acme Resin Corp
•Alcylite Plastics & Chem Corp
•American Cyanamid Co, Plastics & Resins Div
•American-Marietta Co
•Archer-Daniels-Midland Co
•California Ink Co
•E I du Pont de Nemours & Co, Electrochem Dept
•Durez Plastics Div
•Emkay Chem Co
•B F Goodrich Chem Co
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•Joy Chem Co
•Metro-Atlantic, Inc
•National Polychems
•National Starch & Chem Corp
•Polyvinyl Chems
•Scher Bros
•Shanco Plastics & Chems
•Synco Resins
•Synvar Corp
•Vacuum Chem Corp
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•Wica Chem

RESINS, WET-STRENGTH

•Alkydol Labs
▶•Allied Chem Corp, Semet-Solvay Petrochem Div
▶•American Cyanamid Co, Industrial Chem Div
▶•Borden Chem Co
•Catalin Corp of America
▶•Colton Chem Co
▶•Koppers Co, Chems & Dyestuffs Div
•Pennsylvania Industrial Chem Corp
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•Shawinigan Resins Corp
•Union Carbide Corp, Silicones Div

•Alcylite Plastics & Chem Corp
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•E I du Pont de Nemours & Co, Dyes & Chem Div
•Hercules Powder Co
•National Polychems
•Rubba, Inc
•Scher Bros
•Shanco Plastics & Chems
•Syco Resins
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•United Paste & Glue Corp
•Wica Chem

RESORCIN see Resorcinol

RESORCINOL (Resorcin, m-Dihydroxybenzene, Benzenediol)

▶•J T Baker Chem Co
▶Barclay Chem Co
•Catalin Corp of America
J H DeLamar & Son
Faesy & Besthoff
Henley & Co
•Heyden Newport Chem Corp
▶•Koppers Co, Chems & Dyestuffs Div
•Mallinckrodt Chem Works
•NYQ Chem Div, S B Penick & Co
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•Fine Organics
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•Knoll Pharmaceutical Co

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▶•Koppers Co, Chems & Dyestuffs Div

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RESORCINOLPHTHALEIN see Fluorescein

See company directory for addresses
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RETINOL see Oil, Rosin

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*J A Samuel & Co

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*American Cyanamid Co, Organic Chem Div

RHODINOL
*Givaudan
*George Lueders & Co
*Van Ameringen-Haebler Div
*Polak's Frutal Works
*Rhodia, Inc
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►Barclay Chem Co
Browning Chem Corp
►*Commercial Solvents Corp
*Dawe's Labs
*Fallek Products Co
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►*Merck Chem Div
*Chas Pfizer & Co
Thompson-Hayward Chem Co
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►*U S Industrial Chem Co Div
Vitamins, Inc
*Grain Processing Corp
*Pabst Brewing Co
*Roselle Labs

ROCK SALT see Sodium Chloride

ROCK SALT MOSS see Moss, Irish

RODENTICIDES
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*Dow Chem Co
*Fine Organics
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*Thompson Hayward Chem Co
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*Biorganic Labs
*Chemical Insecticide Corp
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*Prentiss Drug & Chem Co
*Roberts Chems, Inc
*Triangle Chem Co
*Woodbury Chem Co
*York Chem Co

ROOTS, HERBS & BARKS, CRUDE
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*Prentiss Drug & Chem Co

ROSE VITRIOL see Cobalt Sulfate

ROSIN AMINES
*Eastern Color & Chem Co

ROSIN, DISPROPORTIONATED
*National Rosin Oil Products

ROSIN, GUM (Colophony, Pine Resin, Abietic Anhydride, Yellow Resin, Resina)
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Browning Chem Corp
DeMert & Dougherty, Inc
Howe & French Inc
International Commodities Corp
►Jones Chems, Inc
Solvents & Chems Group
►*Thiokol Chem Corp
Thompson-Hayward Chem Co
*Glidden Co

ROSIN, LIMED
S L Abbot Co
Harwick Standard Chem Co
*Heyden Newport Chem Co
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ROSIN, POLYMERIZED
S L Abbot Co
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ROSIN, TURPENTINE see Rosin, Gum

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ROSINOL see Oil, Rosin

ROSS' WHITE see Lithopone

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ROTTEN STONE see Tripoli

ROUGE, POLISHING see Iron Oxide, Red

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►*Allied Chem Corp, Plastics & Coal Chems Div
►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Cyanamid Co, Organic Chem Div
*American Oil & Supply Co
*Antara Chem Div
*Argus Chem Corp
*Godfrey L Cabot
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*Columbia-Southern Chem Corp
*Columbian Carbon Co
*Diamond Alkali Co
*Dow Chem Co
►*Eastman Chem Products
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►*Monsanto Chem Co
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►*Stauffer Chem Co
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►*Tennessee Corp
►*Thiokol Chem Corp
*Union Carbide Chems Co
*Union Carbide Chem Corp, Silicones Div
►*Sumner Chem Co Div
►*Witco Chem Corp
►*Wyandotte Chem Corp

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

*Adhesive Products Corp
*Alco Oil & Chem Corp
*Atlantic Refining Co
*Cohutta Talc Co
*Composition Materials Co
*Crowley Tar Products Corp
*DuBois Co
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*General Latex & Chem Corp
*B F Goodrich Chem Co
*Illinois Minerals Co
*Kenrich Corp
*Minnesota Mining & Mfg Co, Chem Div
*National Starch & Chem Corp
*Naugatuck Chem Div
*New Jersey Zinc Co
*Ohio Lime Co
*Pitt-Consol Chem Co
*Puget Sound Pulp & Timber Co
*Rare Metal Products Co
*Rubba, Inc
*Rubber & Asbestos Corp
*Shell Oil Co
*R T Vanderbilt Co
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*Wica Chem

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*Minnesota Mining & Mfg Co, Chem Products Group
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*United Carbon Co

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SAL AMMONIAC see Ammonium Chloride

SAL CHALYBIS see Ferrous Sulfate

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S B Penick & Co

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George Uhe Co

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*E I du Pont de Nemours & Co, Dyes & Chem Div
*Meta Chem Corp
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*Simpson Labs

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SALIGENIN (Salicyl Alcohol; o-Hydroxybenzyl Alcohol; 1,2-Phenolmethylol)

*Gane & Ingram
*R S A Corp

SALIMENTHOL see Menthyl Salicylate

SALMIAC see Ammonium Chloride

SALOL (Phenyl Salicylate)

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►Berkshire Chems Inc
*Dow Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

R W Greeff & Co
*Heyden Newport Chem Corp
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick Co
*Meta Chem Corp *Simpson Labs

SAL PRUNELLA see Potassium Nitrate

SALT CAKE see Sodium Sulfate

SALT, DIURETIC see Potassium Acetate

SALT, LEMON see Potassium Binoxalate

SALT OF LEMERY see Potassium Sulfate

SALTPETER see Potassium Nitrate

SALT, SEA see Sodium Chloride

SALT OF SORREL see Potassium Binoxalate

SALT, TABLE see Sodium Chloride

SALT OF TARTAR see Potassium Carbonate

SALT, TASTELESS see Sodium Phosphate

SALT, TRUE see Caffeine, Citrated

SALTS OF VITRIOL see Zinc Sulfate

SALTS OF WORMWOOD see Potassium Carbonate

SALZBURG VITRIOL see Copper Sulfate

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►Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co *Research Chem
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SCHEELE'S GREEN see Copper Arsenite

SCHWEINFURTH GREEN see Copper Acetoarsenite

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Henley & Co
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*Mallinckrodt Chem Works
*S B Penick & Co
*Roselle Labs

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*Antara Chem Div
►*Armour Industrial Chem Co
*Concord Chem Co
*Diamond Alkali Co
Intex Chem Corp
*Maher Color & Chem Co
Merchants Chem Co
►*M Michel & Co
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►*Onyx Oil & Chem Co
►*Philadelphia Quartz Co
*Refined Products Corp
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►*Tennessee Corp
*Ultra Chem Works
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*Emkay Chem Co
*Fabric Chem Co
*Hagan Chem & Controls
*E F Houghton & Co
*Joy Chem Co
*Legrand Chem Corp
*Marlowe-Van Loan Corp
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*Harry Miller Corp
*Mona Industries
*Nyanza Color & Chem Co
*Oakite Products
*Port Huron Detergent Co
*Procter & Gamble Co
*Reilly-Whiteman-Walton
*Royce Chem Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem
*Wye Industries

SEALERS, MASONRY

►*Borden Chem Co
*Johns-Manville
*Pennotex Oil Corp
►*Philadelphia Quartz Co
*Union Carbide Chems Co
►*Witco Chem Co
*Adhesive Products Corp
*Ampion Corp
*Dewey & Almy Chem Div
*Benjamin Foster Co
*Gridden Co
*Industrial Chem Specialties Co
*Maas & Waldstein Co
*Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
*Penetone Co
*Rubba, Inc
*Sullivan Co
*United Wallpaper Inc

SEALERS, WOOD

*Johns-Manville
*National Chem & Plastics Co
►*Nopco Chem Co
►*Witco Chem Co
*Allied Finishing Specialties Co
*Ampion Corp
*E I du Pont de Nemours & Co, Finishes Div, Automotive
*E I du Pont de Nemours & Co, Finishes Div, Fabrics & Finishes Dept
*E I du Pont de Nemours & Co, Finishes Div, Industrial
*Fuld Bros
*Gilbreath Chem Co
*Gridden Co
*Industrial Chem Specialties Co
*Interchem Corp, Finishes Div
*Maas & Waldstein Co
*Monroe Sander Corp
*Penetone Co
*R & A Leather Finish Co
*Raff & Swanson
*United Wallpaper Inc
*William Zinsser Co

SEBACYL CHLORIDE

►*Trubek Labs

SECOBARBITAL

Gane & Ingram
*Gane's Chem Works
R W Greeff & Co
*Eli Lilly & Co

SECOBARBITAL SODIUM

►American-British Chem Supplies
►*Benzol Products Co
Gane & Ingram
*Gane's Chem Works
R W Greeff & Co
McKesson & Robbins, Inc, Chem Dept

SEIGNETTE SALT see Potassium-Sodium Tartrate

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

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High Purity (Rectifier) Grade
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CYQUEST 40* SEQUESTERING AGENT

A highly effective sequestering agent for use wherever metal ion contamination has a detrimental effect on manufacturing processes or formulated products. Seeks out undesirable di- and tri-valent metal ions and immobilizes them by forming soluble unreactive metal chelates.

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Technical assistance and information on the chemical and physical properties, specifications and applications of this product are available from your Cyanamid representative. See complete list of Cyanamid Sales Offices on page 6.

*Trademark

CYANAMID

AMERICAN CYANAMID COMPANY
Process Chemicals Department
30 Rockefeller Plaza, New York 20, N. Y.

SELENITE see Gypsum

SELENIUM DIETHYL DITHIOCARBAMATE
*Pennsalt Chems Corp

SELENIUM DIOXIDE (Selenous Acid Anhydride, Selenous Anhydride)
*City Chem Corp
Independent Chem Corp
Industrial Chem & Dye Co
*Kawecki Chem Co
Republic Chem Corp
*Var-Lac-Oid Chem Co
*Fairmount Chem Co

SELENIUM DISULFIDE
*Var-Lac-Oid Chem Co

SELENIUM, METAL
►*Allied Chem Corp, General Chem Div
►Barclay Chem Co
*Belmont Smelting & Refining Works
Faesy & Besthoff
Indussa Corp
Industrial Chem & Dye Co
International Selling Corp
Intra Continental Export Co
*Kawecki Chem Co
McGean Chem Co
*Phelps Dodge Refining Corp
*Republic Chem Corp
*Var-Lac-Oid Chem Co
*American Smelting & Refining Co
*Fairmount Chem Co
*Bram Metal-Chem Co

SELENIUM OXYCHLORIDE
►*J T Baker Chem Co
*Kawecki Chem Co
*Var-Lac-Oid Chem Co
*Fairmount Chem Co

SELENOUS ANHYDRIDE see Selenium Dioxide

SEMICARBAZIDE HYDROCHLORIDE (Amidourea Hydrochloride)
►*J T Baker Chem Co
*Eastern Chem Corp
*R S A Corp
*Fairmount Chem Co
*Polychemical Labs

SEQUESTERING AGENTS
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Blockson Chem Co
*Dow Chem Co
*Geigy Dyestuffs Div
*Glyco Chems
►*Koppers Co, Chems & Dyestuffs Div
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Onyx Oil & Chem Co
*Pfanstiehl Labs
William E Phillips
*Refined Products Corp
*Victor Chem Works
►*Westvaco Mineral Products Div
►*Wyandotte Chem Corp
*Berkshire Color & Chem Corp
*Bio-Rad Labs
*Britex Corp
*Consolidated Water Power & Paper Co
*Crown Zellerbach Corp
*Eastern Color & Chem Co
*Emkay Chem Co
*Fabric Chem Co
*Fermco Labs
*Legrand Chem Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*Oakite Products
*Pfister Chem Works
*Process Chem Co
*Process Chem Specialties
*Scher Bros
*Tanatex Chem Corp
*United Starch & Refining Co
*W Va Pulp & Paper Co, Polychems Div
*Wica Chem

dl-SERINE
*Dow Chem Co
Pfanstiehl Labs
*R S A Corp
*Winthrop Labs
*Kaplop Labs

l-SERINE (α-Amino-β-Hydroxypropionic Acid; β-Hydroxyalanine)
*Central Research Labs
Pfanstiehl Labs
*Schwarz Labs

SERPENTINE ASBESTOS see Asbestos, Serpentine

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

SHELLAC (Lac, Garnet Lac, Gum Lac, Mecca, Stick Lac)

*Acme Shellac Products Co
►Barclay Chem Co
*Colony Import & Export Corp
DeMert & Dougherty, Inc
*Allied Finishing Specialties Co
*Carroll Ltd
*Gillespie-Rogers-Pyatt Co
*Glidden Co
*H M Wocher & Son
*William Zinsser Co

SHELLAC, BLEACHED

*Acme Shellac Products Co
*Colony Import & Export Corp
*Allied Finishing Specialties Co
*Carroll Ltd
*Gillespie-Rogers-Pyatt Co
*William Zinsser Co

SHELLAC SUBSTITUTES

*Acme Shellac Products Co
►*Nopco Chem Co
►*Reichhold Chems, Inc
*Allied Finishing Specialties Co
*Carroll Ltd
*Shanco Plastics
*H M Wocher & Son
*William Zinsser Co

SIENNAS

Charles B Chrystal Co
Harshaw Chem Co
*Mineral Pigments Corp
*Smith Chem & Color Co
Whittaker, Clark & Daniels
*C K Williams & Co
*Landers-Segal Color Co

SILANES

*Anderson Chem Co
*Peninsular ChemResearch

SILICA (Silicon Dioxide)

S L Abbot Co
►Berkshire Chems Inc
*Godfrey L Cabot
Charles B Chrystal Co
►*Davison Chem Co Div
►*Foote Mineral Co
Harshaw Chem Co
*International Minerals & Chem Corp, Consolidated Feldspar Dept
International Selling Corp
McGean Chem Co
Smith Chem & Color Co
Thompson-Hayward Chem Co
Charles A Wagner Co
Whittaker, Clark & Daniels
*C K Williams & Co
*Eagle-Picher Co
*Engelhard Industries
*Illinois Minerals Co
*Industrial Minerals & Chem Co
*Tamms Industries

SILICA-ALUMINA

►*Davison Chem Co Div

SILICA, AMORPHOUS

S L Abbot Co
►Berkshire Chems Inc
*Godfrey L Cabot
Charles B Chrystal Co
*Columbia-Southern Chem Corp
►*Davison Chem Co Div
*Dow Corning Corp
*Johns-Manville
►*Philadelphia Quartz Co
L A Salomon & Bro
Charles A Wagner
Whittaker, Clark & Daniels
*Illinois Minerals Co
*Kaiser Chems Div
*Pilot Engrg Co
*Tamms Industries
*United-Heckathorn

SILICA GEL

►*J T Baker Chem Co
►*Davison Chem Co Div
International Selling Corp
McKesson & Robbins, Inc, Chem Dept
George Uhe Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Eagle Chem Co
*Electro Chem Co
*Pilot Engrg Co

SILICA, HYDRATED

►Berkshire Chems Inc
*Columbia-Southern Chem Corp
*J M Huber Corp.
*Johns-Manville
*E I du Pont de Nemours & Co, Grasselli Chem
*Pilot Engrg Co
*National Aluminate Corp

SILICEOUS EARTH see Diatomite

SILICON (Silicium)

*Belmont Smelting & Refining Works
►*Foote Mineral Co
International Selling Corp
Mercer Chem Corp
►*Merck Chem Div
*Var-Lac-Old Chem Co
*Bram Metal-Chem Co
*E I du Pont de Nemours & Co, Pigments Dept
*Eagle-Picher Co
*Sylvania Electric Products
*Tennessee Products & Chem Corp

SILICON CARBIDE

*Var-Lac-Old Chem Co
*Macklin Co

SILICON DIOXIDE see Silica

SILICONE CURING AGENTS

*Lucidol Div, Wallace & Tiernan Inc
McKesson & Robbins, Inc, Chem Dept
*National Lead Co
*Nuodex Products Co
*Anderson Chem Co
*Metro-Atlantic, Inc
*Warwick Chem Co Div

SILICONE EMULSIONS

*American Cyanamid Co, Organic Chem Div
*Dow Corning Corp
*General Elec Co, Silicone Products
Harwick Standard Chem Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
*Union Carbide Corp, Silicones Div
*Arol Chem Products
*Bryant Chem Corp
*Continental Chem Co
*Dominion Products
*Eastern Color & Chem Co
*Hodag Chem Corp
*Metro-Atlantic, Inc
*Nyanza Color & Chem Co
*Scher Bros
*Titan Chem Products
*Warwick Chem Co Div

SILICONES

*Dow Corning Corp
(Continued)

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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LUBRICANTS
MOLDING COMPOUNDS
PAINT RESINS
PAPER COATINGS
POLISH INGREDIENTS
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RUBBER
RUBBER BASES
TEXTILE FINISHES
WATER REPELLENTS

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TRADE MARK
SILICONES

Water Repellents. For formulating into long-lasting water repellents for above-grade masonry, for making asbestos shingles shed water (applied by manufacturers), and for coating concrete highways and bridges to prevent spalling. Silicones stop masonry water-seepage, checking, efflorescense, spalling, and weathering for up to 10 years.

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Other Useful Silicones, Intermediates, and Monomers. Defoaming agents for organic systems; speedily applied finishes for glass cloth to give superior strength and dielectric properties to glass-plastic laminates.

Silicones containing reactive groups for compounding with organic systems to provide special properties.

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SILICONES (continued)

*Union Carbide Corp, Silicones Div
*Anderson Chem Co
*Hodag Chem Corp

SILICONES, CHLORINATED

*Dow Corning Corp
*General Elec Co, Silicone Products
*Union Carbide Corp, Silicones Div
*Atlantic Chem Co

SILICON POWDER

*Belmont Smelting & Refining Works
*Hummel Chem Co
*Var-Lac-Old Chem Co
*National-U S Radiator Corp

SILICON TETRACHLORIDE

Matheson Coleman & Bell
▶*Stauffer Chem Co
*Union Carbide Corp, Silicones Div
*Anderson Chem Co

SILICON TETRAFLUORIDE

▶*Allied Chem Corp, General Chem Div
Matheson Co
*Var-Lac-Old Chem Co

SILVER ACETATE

▶*J T Baker Chem Co
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*R S A Corp
*Var-Lac-Old Chem Co

SILVER ARSENATE

*City Chem Corp
*R S A Corp

SILVER BROMIDE

*City Chem Corp
Clearbrook Chem Co
*Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co
*R S A Corp
*Var-Lac-Old Chem Co

SILVER CARBONATE

▶*J T Baker Chem Co
*Fisher Scientific Co

SILVER

PURE SILVER
STERLING SILVER
COIN SILVER
BRAZING ALLOYS
FLUXES for BRAZING
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WIRE
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*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*R S A Corp
*Var-Lac-Old Chem Co

SILVER CHLORATE

*City Chem Corp
*R S A Corp
*Var-Lac-Old Chem Co
*Andor Labs

SILVER CHLORIDE (Lunar Cornea)

▶*Aceto Chem Co
▶*J T Baker Chem Co
*Fisher Scientific Co
*City Chem Corp
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Old Chem Co
*Engelhard Industries

SILVER CHROMATE

*City Chem Corp
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Old Chem Co

SILVER CITRATE

*City Chem Corp
*R S A Corp
*Var-Lac-Old Chem Co

SILVER, COLLOIDAL

*Heyden Newport Chem Corp

SILVER CYANATE

*City Chem Corp
*Var-Lac-Old Chem Co

SILVER CYANIDE

▶*J T Baker Chem Co
*Goldsmith Bros Smelting & Refining Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
*Engelhard Industries
*Phillips & Jacobs
*Williams Gold Refining Co

SILVER FLUORIDE

▶Aceto Chem Co
*City Chem Corp
*Var-Lac-Old Chem Co

SILVER IODATE

Clearbrook Chem Co
*Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co
*R S A Corp
*G Frederick Smith Chem Co
*Var-Lac-Old Chem Co
*Andor Labs

SILVER IODIDE

*Chemical Mfg Co
*City Chem Corp
Clearbrook Chem Co
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*R S A Corp
*Var-Lac-Old Chem Co
*Andor Labs

SILVER LACTATE

*City Chem Corp
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Old Chem Co

SILVER, METAL

*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Old Chem Co
*American Smelting & Refining Co
*Bram Metal-Chem Co
*Bunker Hill Co
*E I du Pont de Nemours & Co, Electrochem Div
*Metals & Controls Corp
*J A Samuel & Co

SILVER MOLYBDATE

*City Chem Corp
*Var-Lac-Old Chem Co

SILVER NITRATE (Lunar Caustic, Lapis Caustic)

▶*J T Baker Chem Co
*Fisher Scientific Co
*Goldsmith Bros Smelting & Refining Co

See company directory for addresses
*Company classifies itself as producer
▶See catalog advertisement (Advertisers Index)

*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co

*Engelhard Industries
*Metals & Controls Corp
*Phillips & Jacobs
*J A Samuel & Co

SILVER OXIDE

*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co

*Engelhard Industries
*Phillips & Jacobs

SILVER PERCHLORATE

Chemical Commerce
*G Frederick Smith Chem Co
*Var-Lac-Oid Chem Co

SILVER PERMANGANATE

*City Chem Corp
*Var-Lac-Oid Chem Co

SILVER PEROXIDE

*City Chem Corp
*Var-Lac-Oid Chem Co

SILVER PHOSPHATE

*City Chem Corp
*Var-Lac-Oid Chem Co

SILVER-POTASSIUM CYANIDE

*Goldsmith Bros Smelting & Refining Co

*Williams Gold Refining Co

SILVER PYROPHOSPHATE

*City Chem Corp

SILVER SULFATE

▶*J T Baker Chem Co
*Goldsmith Bros Smelting & Refining Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co

*Engelhard Industries

SILVER SULFIDE

*Chemical Commerce
*City Chem Corp
*Goldsmith Bros Smelting & Refining Co
*Var-Lac-Oid Chem Co

SILVER TUNGSTATE

*City Chem Corp
*Var-Lac-Oid Chem Co

SIZING COMPOUNDS — PAPER, TEXTILE, ETC.

▶*American Cyanamid Co, Industrial Chem Div
▶*Colton Chem Co
*Maher Color & Chem Co
*Marine Colloids, Inc
▶*Monsanto Chem Co
▶*Nopco Chem Co
*Pennsylvania Industrial Chem Corp
*Union Carbide Chems Co
▶*Wyandotte Chem Corp

*Arnold, Hoffman & Co
*Atlas Refinery, Inc
*E I du Pont de Nemours & Co, Pigments Dept
*B F Goodrich Chem Co
*E F Houghton & Co
*Joy Chem Co
*Minnesota Mining & Mfg Co, Chem Div
*National Starch & Chem Corp
*Scholler Bros
*Titan Chem Products

SLATE BLACK see **Mineral Black**

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*Industrial Minerals & Chem Co
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SOAP BARK (Quillaja, China Bark, Murillo Bark, Panama Bark, Quillaia)

International Commodities Corp
S B Penick & Co

*Prentiss Drug & Chem Co

SOAP BASES

▶*Armour Industrial Chem Co
*Maher Color & Chem Co
*Maywood Chem Works
McKesson & Robbins, Inc, Chem Dept
▶*Monsanto Chem Co
▶*Philadelphia Quartz Co
*Thompson-Hayward Chem Co
▶*Westvaco Chlor-Alkali Div

*Amplon Corp
*Chicago Sanitary Products Co
*Colgate-Palmolive Co
*Davies-Young Soap Co
*DuBois Co
*Emkay Chem Co
*Essential Chem Co
*Illinois Minerals Co
*Mona Industries
*A E Staley Mfg Co
*Swift & Co, General Soap Dept
*Wye Industries

SOAP BASES, LIQUID

*Concord Chem Co
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
▶*Nopco Chem Co
▶*Philadelphia Quartz Co
*Thompson-Hayward Chem Co

*Amplon Corp
*Atlas Refinery Inc
*Chemical Compounding Corp
*Chicago Sanitary Products Co
*Colgate-Palmolive Co
*Davies-Young Soap Co
*Dominion Products
*DuBois Co
*Emkay Chem Co
*Essential Chem Co
*Mona Industries
*Oil-Kraft, Inc
*Penetone Co
*Scher Bros
*Solvit Chem Co
*A E Staley Mfg Co
*Swift & Co, General Soap Dept
*Titan Chem Products
*Uncle Sam Chem Co
*Wica Chem
*Wye Industries

SOAP BUILDERS

S L Abbot Co
*American Colloid Co
*Antara Chem Div Chapman Chem Co
*Concord Chem Co
*Cowles Chem Co
*Diamond Alkali Co
*Dow Chem Co
*H Kohnstamm & Co
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
▶*Monsanto Chem Co
*Pennsalt Chems Corp
▶*Philadelphia Quartz Co
*Rumford Chem Works
Stoney-Mueller, Inc
*Thompson-Hayward Chem Co
*Union Carbide Chems Co
▶*Westvaco Chlor-Alkali Div
▶*Wyandotte Chem Corp

*Britex Corp
*Legrand Chem Corp
*Mona Industries
*Oakite Products
*Port Huron Detergent Co
*Wye Industries

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C. P. - U. S. P.
99.988 PURE
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SILVER CHLORIDE
SILVER SULPHATE
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General Electric manufactures a complete line of silicones for improved product design and processing.

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Release Agents — Highly efficient and economical for all molding operations (metals, rubber, plastics, etc.).

RTV Silicone Rubber — Room temperature vulcanizing compounds for electrical potting, encapsulating and impregnating; high temperature sealing and caulking; flexible molds.

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Silicone Chemicals — Methyl and phenyl chlorosilanes, silanols, siloxanes and alkoxy siloxanes.

Silicone Fluids for Mechanical Applications — Heat-, shear- and viscosity-stable fluids for hydraulic, damping and heat transfer.

For More Information on any product, write to General Electric Company, Silicone Products Department, Waterford, New York, or call any G-E Silicone Sales Office.

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Waterford, N. Y.
Greensboro, N. C.
Cleveland, Ohio
Dallas, Texas
Toronto, Can.

Export, International General Electric, N. Y.

GENERAL ELECTRIC

*Company classifies itself as producer ▶See catalog advertisement (Advertisers Index)
See company directory for addresses

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Allied Chemical

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SOAPS, METALLIC

*Advance Solvents & Chem Div
►*American Cyanamid Co, Industrial Chem Dept
*Argus Chem Corp
*Baker Castor Oil Co
Harwick Standard Chem Co
*Lever Bros Co
*Mallinckrodt Chem Works
Mathe Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Nopco Chem Co
*Nuodex Products Co
*Shepherd Chem Co
*Sherwin-Williams Co
Smith Chem & Color Co
*L Sonneborn Sons
*Trio Chem Works
*Joseph Turner & Co
Whittaker, Clark & Daniels
►*Witco Chem Co

*Chase Chem Corp
*Chemo Puro Mfg Corp
*Essential Chem Co
*Ferro Chem Corp
*Leffingwell Chem Co
*Harry Miller Corp
*Oil-Kraft, Inc
*Fred'k A Stresen-Reuter
*Swift & Co, General Soap Dept
*Troy Chem Co

SOAPS, WATER-SOLUBLE

►Berkshire Chems Inc
Chapman Chem Co
*Concord Chem Co
*Lever Bros Co
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Nopco Chem Co
*Thompson-Hayward Chem Co
*Trio Chem Works

*Amalgamated Chem Corp
*Amaza Labs
*Ampion Corp
*Atlas Refinery Inc
*Chicago Sanitary Products Co
*Colgate-Palmolive Co
*Davies-Young Soap Co
*DuBois Co
*Emkay Chem Co
*Essential Chem Co
*Ferro Chem Corp
*Fuld Bros
*Magnuson Products Co
*L Carlton Mertz Co
*Metro-Atlantic, Inc
*Harry Miller Corp
*Oil-Kraft, Inc
*Penetone Co
*Procter & Gamble Co
*Sandoz, Inc
*Scholler Bros
*Seaboard Chem
*Swift & Co, General Soap Dept
*Wica Chem
*Wye Industries

SODA ASH (Anhydrous Sodium Carbonate)

S L Abbot Co
►*Allied Chem Corp, Solvay Process Div
American Oil & Supply Co
►*American Potash & Chem Corp
►Baird Chem Industries, Inc
H J Baker & Bro
Barada & Page
►Barclay Chem Co
Bergstrom Trading Co
Bonewitz Chem
Browning Chem Corp
Chapman Chem Co
*Chemical Mfg Co
*Columbia-Southern Chem Corp
*Diamond Alkali Co
*Dow Chem Co
Faesy & Besthoff
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
International Commodities Corp
Intra Continental Export Co
►*Jones Chems, Inc
E & F King & Co
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Mercer Chem Corp
Merchants Chem Co
Millmaster Chem Corp
*Olin Mathieson Chem Corp, Industrial Chems
Opalco Lab
►Peerless Oil & Chem Corp
William E Phillips
Sessions-Gifford Co
Irving M Sobin Chem Co
►*Stauffer Chem Co
Thompson-Hayward Chem Co
Joseph Turner & Co
Washine Chem Corp
Welch, Holme & Clark Co
►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
►*Wyandotte Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*West End Chem Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

SODA, CAUSTIC (Sodium Hydroxide, Lye, Ley, Sodium Hydrate, White Caustic)

S L Abbot Co
►*Allied Chem Corp, Solvay Process Div
American Oil & Supply Co
►Baird Chem Industries, Inc
H J Baker and Bro
►*J T Baker Chem Co
Barada & Page
►Barclay Chem Co
Bergstrom Trading Co
Bonewitz Chem
Browning Chem Corp
Chapman Chem Co
Chemical Mfg Co
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Dixon Chem Industries
Dixon Chem & Research
*Dow Chem Co
Faesy & Besthoff
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
►*Hooker Chem Corp
Howe & French Inc
Inland Chem Corp
International Commodities Corp
Intra Continental Export Co
►*Jefferson Chem Co
►*Jones Chems, Inc
E & F King & Co
*Mallinckrodt Chem Works
George Mann & Co
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Mercer Chem Corp
Merchants Chem Co
Millmaster Chem Corp
►*Monsanto Chem Co
*Olin Mathieson Chem Corp, Industrial Chems
Opalco Lab
*Pennsalt Chems Corp
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Pellets are uniform — white — extremely low in heavy metals and other impurities.

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SODA ASH

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Wyandotte CHEMICALS

Michigan Alkali Division
Wyandotte, Michigan

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Trio Chem Works
Joseph Turner & Co
►*U S Industrial Chem Co Div
Wallach-Gracer Export Corp
Washine Chem Corp
Welch, Holme & Clark Co
►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
►*Wyandotte Chem Corp

*Arkansas Louisiana Chem Corp
*Barton Chem Co
*E I du Pont de Nemours & Co, Grasselli Chem
*Frontier Chem Co

SODA LIME

►*J T Baker Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Dewey & Almy Chem Div

SODAS, LAUNDRY

►*Allied Chem Corp, Solvay Process Div
Bonewitz Chem
*Chapman Chem Co
*Columbia-Southern Chem Corp
*Cowles Chem Co
*Diamond Alkali Co
►Jones Chems, Inc
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Pennsalt Chems Corp
►*Wyandotte Chem Corp

SODAS, MODIFIED

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Bonewitz Chem
*Columbia-Southern Chem Corp
*Diamond Alkali Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
►Peerless Oil & Chem Corp
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Michigan Alkali Division
Wyandotte, Michigan

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Merchants Chem Co
►*Wyandotte Chem Corp

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*Columbia-Southern Chem Corp
*Diamond Alkali Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Wyandotte Chem Corp

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►*J T Baker Chem Co
►Barclay Chem Co
►*Celanese Corp of America, Chem Div
*Filo Color & Chem Corp
*Fisher Scientific Co
Globe Chem Co
R W Greeff & Co
Harshaw Chem Co
J F Henry Chem Co
Philip A Hunt Co
Independent Chem Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
Merchants Chem Co
NYQ Chem Div, S B Penick & Co
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Pfaltz & Bauer, Inc
Robeco Chems
E M Sergeant Pulp & Chem Co
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*Union Carbide Chems Co
Washine Chem Corp
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SODIUM ACID FLUORIDE see **Sodium Bifluoride**

SODIUM ACID PYROPHOSPHATE see **Sodium Pyrophosphate, Acid**

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Intex Chem Corp
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Merchants Chem Co
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►*Onyx Oil & Chem Co
*Oronite Chem Co
*L Sonneborn Sons
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►*Tennessee Corp
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►*Witco Chem Co
*Jacques Wolf & Co
*Amalgamated Chem Corp
*Ardmore Chem Co
*Arol Chem Products
*Clarkson Labs
*Continental Chem Co
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*Eastern Color & Chem Co
*Essential Chem Co
*E F Houghton & Co
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*Swift & Co, General Soap Dept
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem

SODIUM ALKYL SULFATES
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*Fallek Products Co
Intex Chem Corp
*Stepan Chem Co
*Union Carbide Chems Co
*Jacques Wolf & Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Emkay Chem Co
*Process Chem Co
*Procter & Gamble Co
*Scholler Bros
*Surfact Co
*Tanatex Chem Corp
*Warwick Chem Co Div

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*Abbot Labs
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CMC

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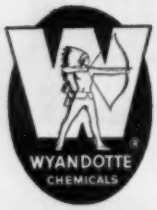
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Uniform, pure
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For further information, see our catalog on pages 191-194.

Wyandotte CHEMICALS

Michigan Alkali Division
Wyandotte, Michigan

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Facts about **"VIRGINIA"**
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SODIUM BICARBONATE (continued)
Thompson-Hayward Chem Co
George Uhe Co
Welch, Holme & Clark Co
►Western Pennsylvania Chem Co
►*Wyandotte Chem Corp

*E I du Pont de Nemours & Co, Elastomers Div *Tracerlab Inc

SODIUM BICHROMATE see Sodium Dichromate

SODIUM BIFLUORIDE (Sodium Acid Fluoride)
►*Allied Chem Corp, General Chem Div
*Aluminum Co of America
►Berkshire Chems Inc
Harshaw Chem Co
Howe & French Inc
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
Henry Sundheimer Co
Washine Chem Corp

*E I du Pont de Nemours & Co, Grasselli Chem *Pilot Engrg Co

SODIUM BINOXALATE
*City Chem Corp
*Victor Chem Works

*Andor Labs

SODIUM BINOXIDE see Sodium Peroxide

SODIUM BIPHOSPHATE see Sodium Phosphate, Monobasic

SODIUM BISMUTHATE
►*Allied Chem Corp, General Chem Div
►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
*R S A Corp
*Var-Lac-Oid Chem Co

SODIUM BISULFATE (Niter Cake, Sodium Acid Sulfate)
*Ansul Chem Co
►*J T Baker Chem Co
*Fisher Scientific Co
Globe Chem Co
Inland Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
Riches-Nelson, Inc
J U Starkweather Co
►Western Pennsylvania Chem Co

*Fiber Chem Corp

SODIUM BISULFITE (Lencogen, Sodium Acid Sulfite)
►*J T Baker Chem Co
Browning Chem Corp
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Inland Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Monsanto Chem Co
E M Sergeant Pulp & Chem Co
J U Starkweather Co
*Virginia Smelting Co
►Western Pennsylvania Chem Co

*E I du Pont de Nemours & Co, Grasselli Chem *Tracerlab Inc

SODIUM BISULFITE, ANHYDROUS
►*Allied Chem Corp, General Chem Div
Globe Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Millmaster Chem Corp
►*Monsanto Chem Co
*Virginia Smelting Co

*E I du Pont de Nemours & Co, Grasselli Chem

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

SODIUM m-BISULFITE
►*J T Baker Chem Co
Globe Chem Co
►Jones Chems, Inc
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*E I du Pont de Nemours & Co, Grasselli Chem

SODIUM BITARTRATE
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept

SODIUM BORATE (Borax, Tincal, Tinkal, Sodium Tetraborate, Zola)
►*J T Baker Chem Co
Chapman Chem Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*United States Borax & Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*West End Chems Co

SODIUM BORATE, ANHYDROUS
J F Henry Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*United States Borax & Chem Corp
*West End Chem Co

SODIUM BORATE, PENTAHYDRATE
Lotte Chem Corp
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Joseph Turner & Co
*United States Borax & Chem Corp
*West End Chem Co

SODIUM m-BORATE
J F Henry Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*United States Borax & Chem Corp

SODIUM BOROFLUORIDE see Sodium Fluoborate

SODIUM BOROHYDRIDE
►*Metal Hydrides
*Callery Chem Co

SODIUM BROMATE
►*J T Baker Chem Co
*Dow Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works

SODIUM BROMIDE
►*J T Baker Chem Co
►Barclay Chem Co
*Dow Chem Co
*Fisher Scientific Co
*Heyden Newport Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Michigan Chem Corp
*Morton Chem Co
NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
Joseph Turner & Co
George Uhe Co

SODIUM BUTYRATE
*City Chem Corp
J F Henry Chem Co
*Mathe Chem Co
*Tracerlab Inc

SODIUM CACODYLATE (Sodium Dimethyl Arsenate)
*Ansul Chem Co
*Mallinckrodt Chem Works
*Arenal Chem Corp *Edcan Labs

SODIUM CAMPHORSULFONATE
*Fine Organics
►*Westvaco Chlor-Alkali Div
*Polychemical Labs

SODIUM CARBOLATE see Sodium Phenate

SODIUM CARBONATE, ANHYDROUS see Soda Ash

SODIUM CARBONATE, MONOHYDRATE (Crystal Carbonate)
►*J T Baker Chem Co
Chemical Mfg Co
*Church & Dwight Co
*Diamond Alkali Co
*Fisher Scientific Co
Harshaw Chem Co
Philip A Hunt Co
Independent Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Prior Chem Corp
*A R Maas Chem Co Div *Tracerlab Inc

SODIUM CARBONATE PEROXIDE
►*Becco Chem Div

SODIUM CARBOXYMETHYLCELLULOSE (Sodium Cellulose Glycolate)
S L Abbot Co
Barada & Page
►*Brown Co
*E I du Pont de Nemours & Co, Explosives Dept
Howe & French Inc
*H Kohnstamm & Co
Merchants Chem Co
Opalco Lab
►*Wyandotte Chem Corp
*Buckeye Cellulose Corp

SODIUM CASEINATE
Conray Products Co
*National Casein Co
*Sheffield Chem Div
*Cabell Chem Co

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Michigan Alkali Division
Wyandotte, Michigan

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GC

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Sodium Fluoborate
Sodium Fluoride
Sodium Hyposulfite (Hypo)
Sodium Metabisulfite
Sodium Metasilicate
Crystal and Anhydrous
Sodium Phosphate Dibasic
Sodium Phosphate Tribasic
Sodium Silicofluoride
Sodium Silicate
Sodium Sulfate
Sodium Sulfite, Anhydrous
Sodium Tripoly Phosphate
Sodium Thiosulfate (Hypo)
Trisodium Phosphate
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40 RECTOR STREET, NEW YORK 6, N. Y.
Offices in Principal Cities — See Directory Section

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►Baird Chem Industries, Inc
►*J T Baker Chem Co
*Fisher Scientific Co
Harshaw Chem Co
J F Henry Chem Co
►*Hooker Chem Corp
International Selling Corp
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*Pennsalt Chems Corp
E M Sergeant Pulp & Chem Co
Sessions-Gifford Co
J U Starkweather Co
Joseph Turner & Co

*E I du Pont de Nemours & Co, Electrochem Dept *Chipman Chem Co

SODIUM CHLORIDE (Salt, Common Salt, Rock Salt, Sal Culinaris, Table Salt, Sea Salt)

►*Allied Chem Corp, Solvay Process Div
►*J T Baker Chem Co
*Columbia-Southern Chem Corp
*Fisher Scientific Co
Harshaw Chem Co
Inland Chem Corp
Lotte Chem Corp
*Mallinckrodt Chem Works
*Michigan Chem Corp
►Western Pennsylvania Chem Co

*Cayuga Rock Salt Co *International Salt Co
*Cutler-Magner Co *Morton Salt Co
*Diamond Crystal Salt Co *Schuylkill Chem Co
*Frontier Chem Co *Solar Salt Co

SODIUM CHLORITE

►Baird Chem Industries, Inc
►Berkshire Chems Inc
Independent Chem Corp
Millmaster Chem Corp
*Olin Mathieson Chem Corp, Industrial Chems
Opalco Lab
Riches-Nelson, Inc
J U Starkweather Co
Washine Chem Corp
►Western Pennsylvania Chem Co

SODIUM CHLOROACETATE

*Dow Chem Co
Robeco Chems

CMC

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Urea
Ammonium Chloride
Sodium Bicarbonate
Sodium Perborate
Ammonium Bicarbonate
Sodium Hyposulphite
Sodium Thiosulfate
Sodium Peroxide
Ammonium Alum
Potassium Alum
Aluminum Sulfate
Titanium Potassium Oxalate
Cyanides
Copper
Potassium
Sodium
Zinc
Sodium Aluminate
Nonanol* (Nonyl Alcohol)
Trichlorethylene
*ICI trade name

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714 West Olympic Blvd. Los Angeles 15, Calif.
114 Sansome Street San Francisco 4, Calif.

SODIUM CHLOROHYPOCHLORITE see Chlorinated Lime

SODIUM CHROMATE

►*Allied Chem Corp, Solvay Process Div
►*J T Baker Chem Co
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
►Jones Chems, Inc
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Prior Chem Corp
►Western Pennsylvania Chem Co

SODIUM CITRATE

►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
►Western Pennsylvania Chem Co

SODIUM COBALTICYANIDE

*City Chem Corp
*Var-Lac-Oid Chem Co

SODIUM COBALTINITRITE

H J Baker & Bro
►*J T Baker Chem Co
*Mallinckrodt Chem Works
*Var-Lac-Oid Chem Co

*Andor Labs

SODIUM CYANAMIDE

*Chemical Mfg Co

SODIUM CYANATE

*Fairmount Chem Co

SODIUM CYANIDE

*American Cyanamid Co, Organic Chem Div
►* J T Baker Chem Co
Barada & Page
►Barclay Chem Co
Browning Chem Corp
Filo Color & Chem Corp
*Fisher Scientific Co
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Inland Chem Corp
►Jones Chems, Inc
Kraft Chem Co
Lotte Chem Corp
*Mallinckrodt Chem Works
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Republic Chem Corp
Riches-Nelson, Inc
Irving M Sobin Chem Co
Thompson-Hayward Chem Co

*E I du Pont de Nemours & Co, Electrochem Dept *Koppers Co, Gas & Coke Div
*Tracerlab Inc

SODIUM CYCLAMATE (Sodium Cyclohexylsulfamate)

Conray Products Co
Fallek Products Co
*Chas Pfizer & Co
*R S A Corp

*E I du Pont de Nemours & Co, Graselli Chem *Abbott Labs

SODIUM DEHYDROACETATE

►Aceto Chem Co
*Gane's Chem Works
*R S A Corp
Robeco Chems

*Chemo Puro Mfg Corp *Polychemical Labs

SODIUM DIACETATE (Sodium Acid Acetate)

McGean Chem Co
Stein, Hall & Co
*Union Carbide Chems Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

SODIUM DICHROMATE (Sodium Bichromate, Sodium Acid Chromate)
►*Allied Chem Corp, Solvay Process Div
American Oil & Supply Co
►*J T Baker Chem Co
►Barclay Chem Co
Browning Chem Corp
*Columbia-Southern Chem Corp
*Diamond Alkali Co
Filo Color & Chem Corp
Globe Chem Co
Harshaw Chem Co
J F Henry Chem Co
Howe & French Inc
Independent Chem Corp
Inland Chem Corp
►Jones Chems, Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Prior Chem Corp
Republic Chem Corp
Riches-Nelson, Inc
E M Sergeant Pulp & Chem Co
Sessions-Gifford Co
Irving M Sobin Chem Co
Thompson-Hayward Chem Co
Joseph Turner & Co
George Uhe Co

*E I du Pont de Nemours & Co, Grasselli Chem

SODIUM DIETHYLBARBITURATE see Barbital Sodium

SODIUM DIETHYLDITHIOCARBAMATE
►*J T Baker Chem Co
*Eastern Chem Corp
*Pennsalt Chems Corp

*Alco Oil & Chem Corp *Andor Labs

SODIUM DI(2-ETHYLHEXYL) PHOSPHATE
*Union Carbide Chems Co
*Victor Chem Works

SODIUM p-DIMETHYLAMINOAZOBENZENESULFONATE see Methyl Orange

SODIUM DIMETHYL ARSENATE see Sodium Cacodylate

SODIUM DIMETHYLDITHIOCARBAMATE
*Pennsalt Chems Corp

*Alco Oil & Chem Corp *Naugatuck Chem Div
*E I du Pont de Nemours & Co, Grasselli Chem *Roberts Chems, Inc

SODIUM DIMETHYL GLYOXIMATE
►*J T Baker Chem Co
*Eastern Chem Corp
*Fisher Scientific Co
*Mallinckrodt Chem Works
*G Frederick Smith Chem Co

*Southwestern Analytical Chems *Andor Labs

SODIUM DIOXIDE see Sodium Peroxide

SODIUM DIPHENYLAMINE SULFONATE
*Eastern Chem Corp
*Eastman Organic Chems
*G Frederick Smith Chem Co

SODIUM DIPHENYLBENZIDINE SULFONATE
*G Frederick Smith Chem Co

*Polychemical Labs

SODIUM DIPHENYLHYDANTOIN see Diphenylhydantoin Sodium

SODIUM DIURANATE
►Berkshire Chems Inc
Millmaster Chem Corp
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co

*S W Shattuck Chem Co

SODIUM DODECYLBENZENE SULFONATE
*Finetex Inc
Intex Chem Corp
►*M Michel & Co
*Ultra Chem Works Div
►*Witco Chem Co
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SODIUM DODECYLBENZENE SULFONATE (continued)

*Amalgamated Chem Corp
*Ardmore Chem Co
►*Chicago Sanitary Products Co
*Colgate-Palmolive Co
*Emkay Chem Co
*Essential Chem Co
*Pilot California Co
*Process Chem Co
*Surfact Co, Inc
*Tanatex Chem Co
*Warwick Chem Co Div
*Wica Chem

SODIUM ETHYLATE (Sodium Ethoxide)

*K & K Labs
►*U S Industrial Chem Co Div
*Anderson Chem Co

SODIUM 2-ETHYLHEXYL SULFATE

Sole Chem Co
*Union Carbide Chems Co
*Process Chem Co
*Scher Bros

SODIUM ETHYLOXALACETATE see Ethyl Sodium Oxalacetate

SODIUM ETHYL SULFATE

*City Chem Corp
*Joseph Turner & Co

SODIUM ETHYLXANTHATE see Sodium Xanthate

SODIUM FERRIC PYROPHOSPHATE

*Joseph Turner & Co
*Victor Chem Works

SODIUM FERROCYANIDE (Yellow Prussiate of Soda)

►*American Cyanamid Co, Industrial Chem Div
*Henry Bower Chem Mfg Co
*Filo Color & Chem Corp
Irving M Sobin Chem Co

SODIUM FLUOALUMINATE see Cryolite, Synthetic

SODIUM FLUOBORATE (Sodium Borofluoride)

►*Allied Chem Corp, General Chem Div
*Aluminum Co of America
*Harshaw Chem Co
*Kawecki Chem Co
*Pilot Engrg Co

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White and Tan Grades
SODIUM FERRIC PYROPHOSPHATE
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Providence, R. I.
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Chicago 11, Ill.

SODIUM FLUORIDE (Fluorol)

►*Allied Chem Corp, General Chem Div
*Aluminum Co of America
►*American Agricultural Chem Co
►Baird Chem Industries, Inc
►*J T Baker Chem Co
►Barclay Chem Co
►Berkshire Chems Inc
*Blockson Chem Co
Faesy & Besthoff
*Fisher Scientific Co
Globe Chem Co
Kawecki Chem Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
►Western Pennsylvania Chem Co
*Pilot Engrg Co
*United-Heckathorn

SODIUM FLUORACETATE

►*Aceto Chem Co
*K & K Labs

SODIUM FORMALDEHYDE BISULFITE

►*Allied Chem Corp, General Chem Div
*Philip A Hunt Co
►*Kay-Fries Chems
Millmaster Chem Corp
*Industrial Dyestuff Co

SODIUM FORMALDEHYDE HYDROSULFITE

Browning Chem Corp
*Fallek Products Co
Millmaster Chem Corp
►*Rohm & Haas Co
*Jacques Wolf & Co

SODIUM FORMATE

►*J T Baker Chem Co
*Fisher Scientific Co
*Heyden Newport Chem Corp
E & F King & Co
*Victor Chem Works
*Fiber Chem Corp
*Triangle Chem Co

SODIUM GENTISATE

*Fallek Products Co
R W Greeff & Co
Roussel Corp
*Meta Chem Corp
*Simpson Labs

SODIUM GLUCONATE

*Dawe's Labs
*Chas Pfizer & Co
►Western Pennsylvania Chem Co
*Fermco Labs

SODIUM GLUTAMATE (Monosodium Glutamate)

R W Greeff & Co
*International Minerals & Chem Corp, Amino Products Div
►*Merck Chem Div
►Western Pennsylvania Chem Co
*B L Lemke & Co
*A E Staley Mfg Co

SODIUM GLYCEROPHOSPHATE

►*Borden Chem Co
*Fisher Scientific Co
Gallard-Schlesinger Chem Mfg Corp
*Heyden Newport Chem Corp
*NYQ Chem Div, S B Penick & Co
George Uhe Co

SODIUM HEPTADECYL SULFATE

*Union Carbide Chems Co

SODIUM HEXA-m-PHOSPHATE

*Blockson Chem Co
Faesy & Besthoff
Globe Chem Co
J F Henry Chem Co
►*Hooker Chem Corp, Phosphorus Div
►Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
Riches-Nelson, Inc
*Rumford Chem Works
Washine Chem Corp
►Western Pennsylvania Chem Co
►*Westvaco Mineral Products Div
*National Aluminate Corp

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

SODIUM HYDRIDE
►*Metal Hydrides
*Callery Chem Co

SODIUM HYDROSULFIDE (Sodium Bisulfide, Sodium Sulfohydrate)
*Chemical Products Corp (Ga)
*Columbia-Southern Chem Corp
*Fallek Products Co
►*Hooker Chem Corp
Inland Chem Corp
►*Stauffer Chem Co
►Western Pennsylvania Chem Co
*Merichem Div *Royce Chem Co

SODIUM HYDROSULFITE
►Baird Chem Industries, Inc
►*J T Baker Chem Co
Browning Chem Corp
*Fallek Products Co
Globe Chem Co
Indussa Corp
Inland Chem Corp
International Selling Corp
►Jones Chems, Inc
Lotte Chem Corp
*Mallinckrodt Chem Works
*McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Republic Chem Corp
►*Rohm & Haas Co
Sessions-Gifford Co
J U Starkweather Co
►*Tennessee Corp
*Virginia Smelting Co
Welch, Holme & Clark Co
►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
*Jacques Wolf & Co
*E I du Pont de Nemours & Co, Dyes & Chem Div

SODIUM HYDROXIDE see Soda, Caustic

SODIUM HYPOCHLORITE (Eau de Labarraque, Eau de Javelle, Javelle Water)
*American Oil & Supply Co
Inland Chem Corp
►*Jones Chems, Inc
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Pennsalt Chems Corp
*Thompson-Hayward Chem Co
*Washine Chem Corp
►Western Pennsylvania Chem Co
*Alexander Chem Corp *Lorenz Chem Co
*Barton Chem Co *Marlowe-Van Loan Corp
*Cabell Chem Co *Riverside Chem Co
*Kuehne Chem Co *G S Robins & Co
*Legrand Chem Corp

SODIUM HYPOPHOSPHITE
►*J T Baker Chem Co
►*Hooker Chem Corp
*H Kohnstamm & Co
McKesson & Robbins, Inc, Chem Dept
►*Rohm & Haas Co
*Victor Chem Works
*E I du Pont de Nemours & Co, Grasselli Chem

SODIUM HYPOSULFITE see Sodium Thiosulfate

SODIUM IODATE
Clearbrook Chem Co
*Gallard-Schlesinger Chem Mfg Corp
*Mallinckrodt Chem Works
*NYQ Chem Div, S B Penick & Co
*G Frederick Smith Chem Co
*Andor Labs

SODIUM IODIDE
►*J T Baker Chem Co
Chemical Mfg Co
Clearbrook Chem Co
Filo Color & Chem Corp
*Fisher Scientific Co
*Gallard-Schlesinger Chem Mfg Corp
Chas L Huisking & Co
*Mallinckrodt Chem Works
McKesson & Robbins, Inc, Chem Dept
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
*Chemo Puro Mfg Corp

SODIUM ISOASCORBATE
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
►*Sumner Chem Co Div
*Takamine Lab *Wallerstein Co

SODIUM LACTATE
►Baird Chem Industries, Inc
*City Chem Corp
*NYQ Chem Div, S B Penick & Co
*Pfanstiehl Labs
*Warwick Chem Co Div

SODIUM N-LAUROYL SARCOSINATE
*Fallek Products Co
*Geigy Industrial Chems Div *Warwick Chem Co Div

SODIUM LAURYL SULFATE
*Bristol Labs
*Fallek Products Co
Intex Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*M Michel & Co
►*Onyx Oil & Chem Co
RITA Chem Corp
*Stepan Chem Co
Washine Chem Corp
*Jacques Wolf & Co
*Amalgamated Chem Corp *Pilot California Co
*Continental Chem Co *Process Chem Co
*E I du Pont de Nemours & Co, Dyes & Chem Div *Procter & Gamble Co
*Surfact Co
*Tracerlab Inc

SODIUM LAURYL SULFOACETATE
►*Allied Chem Corp, National Aniline Div
*Emkay Chem Co

SODIUM LIGNOSULFONATE, NEUTRAL
*Crown Zellerbach Corp *Marathon Corp
*Puget Sound Pulp & Timber Co *W Va Pulp & Paper Co, Polychems Div

SODIUM MALONATE
*City Chem Corp
*Eastern Chem Corp
R W Greeff & Co
*Abbot Labs

SODIUM, METAL (Natrium)
►*J T Baker Chem Co
(Continued)

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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Bricks—12, 5, 2½ and 1 lb. (55 gallon returnable steel barrels).
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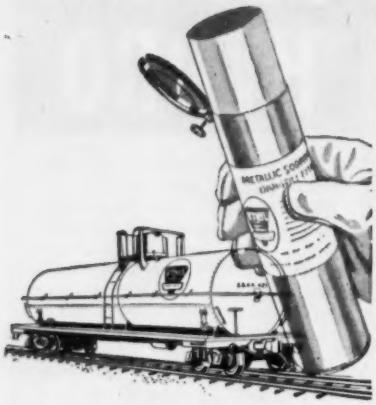
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•Diamond Alkali Co
Globe Chem Co
Harshaw Chem Co
Howe & French Inc
Independent Chem Corp
Inland Chem Corp
International Selling Corp
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Lotte Chem Corp
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McKesson & Robbins, Inc, Chem Dept
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Joseph Turner & Co
►*Virginia-Carolina Chem Corp
Welch, Holme & Clark Co
►Western Pennsylvania Chem Co
•E I du Pont de Nemours & Co, Grasselli Chem
•Philadelphia Quartz Co of Cal

SODIUM m-SILICATE

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Chapman Chem Co
•Cowles Chem Co
•Diamond Alkali Co
J F Henry Chem Co
►Jones Chems, Inc
Lotte Chem Corp
McGean Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
►*Philadelphia Quartz Co
Riches-Nelson, Inc
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Washine Chem Corp
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•L Carlton Mertz Co

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•Cowles Chem Co
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McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
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Washine Chem Corp
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►*Wyandotte Chem Corp
•Philadelphia Quartz Co of Cal

SODIUM o-SILICATE

Barada & Page
•Cowles Chem Co
•Diamond Alkali Co
Lotte Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
Opalco Lab
►Peerless Oil & Chem Corp
•Pennsalt Chems Corp
►*Philadelphia Quartz Co
Washine Chem Corp
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DRY FORMS lump and powdered products ratio $\%Na_2O$: $\%SiO_2$ 1:3.22 to 2:1. Anhydrous lump and powdered silicates of low soda ratio are difficult to dissolve. Hydrated powders are easily soluble.

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►*Nopco Chem Co
►*Witco Chem Co

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*Leffingwell Chem Co
*Swift & Co, General Soap Dept

SODIUM SUBSULFITE see Sodium Thiosulfate

SODIUM SUCCINATE

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*Fisher Scientific Co
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*NYQ Chem Div, S B Penick & Co
*Pennsalt Chems Corp

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SODIUM SULFADIAZINE see Sulfadiazine Sodium

SODIUM SULFAMERAZINE see Sulfamerazine Sodium

SODIUM SULFANATES

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SODIUM 2-SULFANILAMIDOPYRIMIDINE see Sulfadiazine Sodium

SODIUM SULFANILAMIDE see Sulfanilamide Sodium

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*Central Chem Div
*Ozark-Mahoning Co
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Merchants Chem Co

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SODIUM SULFHYDRATE see Sodium Hydrosulfide

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►*Hooker Chem Corp
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*E I du Pont de Nemours & Co, Grasselli Chem
*Hagan Chem & Controls
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SODIUM SULFOCYANATE see Sodium Thiocyanate

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*Fisher Scientific Co
*Mallinckrodt Chem Works

SODIUM TELLURITE
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*Var-Lac-Oid Chem Co

SODIUM TETRABORATE see Sodium Borate

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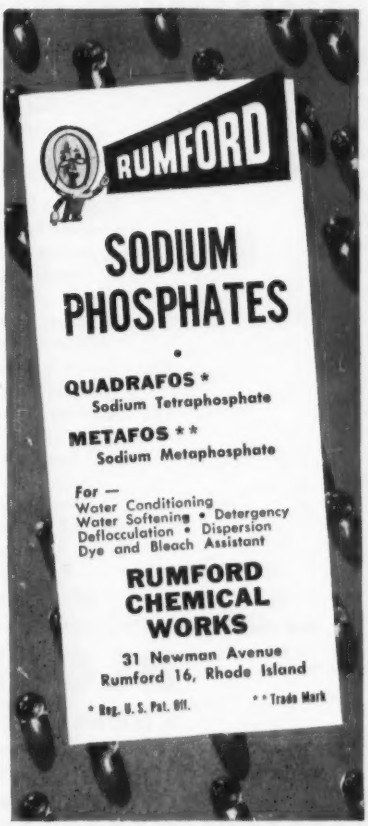
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►*M Michel & Co
►*Nopco Chem Co
►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
*Refined Products Corp
►*Rohm & Haas Co
*Rumford Chem Works
*Synthetic Chems
*Ultra Chem Works Div
*Union Carbide Chems Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Atlas Refinery Inc
*Borne Chem Co
*Britex Corp
*Bryant Chem Corp
*Burkhart-Schier Chem Co
*Carlstadt Chem Co
*Clarkson Labs
*Colgate-Palmolive Co
*Continental Chem Co
*Crown Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem
*Emkay Chem Co
*Fabric Chem Co
*C P Hall Co
*Hart Products Corp
*Hodag Chem Corp
*E F Houghton & Co
*Joy Chem Co
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Harry Miller Corp
*Mona Industries
*Norton Chem Works
*Nyanza Color & Chem Co
*Port Huron Detergent Co
*Process Chem Specialties
*Procter & Gamble Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem
*Wye Industries

SOFTENERS, WATER

►*Allied Chem Corp, Solvay Process Div
*Antara Chem Div
*Blockson Chem Co
*Dow Chem Co
*Maher Color & Chem Co
►Peerless Oil & Chem Corp
*Refined Products Corp
*Rumford Chem Works
►*Stauffer Chem Co
*Union Carbide Chems Co
►*Westvaco Mineral Products Div
►*Wyandotte Chems Corp

*Arol Chem Products
*Berkshire Color & Chem Corp
*Britex Corp
*Elgin Softener Corp
*Emkay Chem Co
*Geigy Industrial Chems
*Hagan Chem & Controls
*Hart Products Corp
*Ideal Chem & Supply Co
*Metro-Atlantic, Inc
*Mona Industries
*Oakite Products
*Permutit Co
*Scher Bros
*E W Smith Chem Co
*Tanatex Chem Corp
*Titan Chem Products
*Western Chem Co
*Wye Industries

SOIL CONDITIONERS

►*General Mills, Chem Div
►*Stauffer Chem Co
Thompson-Hayward Chem Co
►*Westvaco Mineral Products Div

*California Spray-Chem
*Crown Zellerbach Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Kaiser Chem Sales
*Premier Peat Moss Corp
*Process Chem Specialties
*Puget Sound Pulp & Timber Co
*Shanco Plastics & Chems
*E W Smith Chem Co
*Tennessee Products & Chem Corp
*United States Gypsum Co

SOLUBILIZERS

*Antara Chem Div
*Atlas Powder Co, Chems Div
►*M Michel & Co
►*Monsanto Chem Co
S B Penick & Co
Stoney-Mueller, Inc
*Synthetic Chem
*Ultra Chem Works Div
*Union Carbide Chems Co
►*Witco Chem Co

*Atlas Refinery Inc
*Borne Chem Co
*Colgate-Palmolive Co
*Geigy Industrial Chems
*C P Hall Co
*Oakite Products
*Process Chem Specialties
*Wica Chem

SOLUTIONS see specific type of solution, e.g., Volumetric Solutions

SOLVENTS, ADHESIVE

*American Mineral Spirits Co
Chemical Solvents, Inc
►*Colton Chem Co
*Columbia-Southern Chem Corp
McKesson & Robbins, Inc, Chem Dept
*Neville Chem Co
*Olin Mathieson Chem Corp, Organic Chems
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Stoney-Mueller, Inc
►*Sun Oil Co
*Union Carbide Chems Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Eastern States Petroleum & Chem Corp
*Octagon Process, Inc
*Pierce & Stevens Chem
*R & A Leather Finish Co
*Rubba, Inc
*Wye Industries

SOLVENTS, CELLULOSE ACETATE

*American Mineral Spirits Co
*American Oil & Supply Co
Chemical Solvents, Inc
Chemsol, Inc
►*Commercial Solvents Corp
*E I du Pont de Nemours & Co, Polychem Dept
►*Eastman Chem Products
McKesson & Robbins, Inc, Chem Dept
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
►*Stauffer Chem Co
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*U S Industrial Chem Co Div

*E I du Pont de Nemours & Co, Electrochem Dept — *Octagon Process, Inc

SOLVENTS, CHLORINATED

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►*Allied Chem Corp, Solvay Process Div
*American Mineral Spirits Co
*American Oil & Supply Co
►Barclay Chem Co
Chemical Solvents, Inc
Chemsol, Inc
*Columbia-Southern Chem Corp
DeMert & Dougherty, Inc
*Diamond Alkali Co
*Dow Chem Co
Globe Chem Co
Henley & Co
*Heyden Newport Chem Corp
►*Hooker Chem Corp
►*Jefferson Chem Co
E & F King Co
*Kolker Chem Corp
George Mann & Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
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►Western Pennsylvania Chem Co
►*Westvaco Chlor-Alkali Div
►*Wyandotte Chem Corp

*Allied Industrial Products Co
*B R Elk & Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Eureka Chem Co
*Penetone Co

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►*Allied Chem Corp, Plastics & Coal Chems Div
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*American Oil & Supply Co
Browning Chem Corp
Chemical Solvents, Inc
DeMert & Dougherty, Inc
►Modern Solvents & Chems Corp
*Neville Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Pittsburgh Coke & Chem Co
Solvents & Chems Group
Stoney-Mueller, Inc
Tar Residuals
►*Wyandotte Chem Corp

*Coopers Creek Chem Corp
*Koppers Co, Plastics Div
*Koppers Co, Tar Products Div
*Crowley Tar Products
*Inland Steel Co
*Oil & Chem Products
*Penola Oil Co

SOLVENTS, COSMETIC

*American Mineral Spirits Co
*American Oil & Supply Co
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►*Commercial Solvents Corp
►*Eastman Chem Products
►*Jefferson Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►Peerless Oil & Chem Corp
Solvents & Chems Group
*L Sonneborn Sons
Stoney-Mueller, Inc
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*Allied Industrial Products Co

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Chemsol, Inc
*Neville Chem Co
►Peerless Oil & Chem Corp
►*Wyandotte Chem Corp

*Eastern States Petroleum & Chem Corp
*Koppers Co, Tar Products Div
*Mobil Oil Co

SOLVENTS, DRUG EXTRACTING

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►*Allied Chem Corp, Solvay Process Div
*American Mineral Spirits Co
*American Oil & Supply Co
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*Columbia-Southern Chem Corp
►*Commercial Solvents Corp
*Dow Chem Co
►*Eastman Chem Products
►*Hooker Chem Corp
►*Jefferson Chem Co
*Kolker Chem Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►Peerless Oil & Chem Corp
*Phillips Petroleum Co, Special Products Div
Solvents & Chems Group
►*Stauffer Chem Co
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*US Industrial Chem Co Div

*Allied Industrial Products Co
*E I du Pont de Nemours & Co, Grasselli Chem
*B R Elk & Co
*Eastern States Petroleum & Chem Corp
*Shell Chem Corp

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*American Oil & Supply Co
R J Brown Co
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*Columbia-Southern Chem Corp
*Diamond Alkali Co
*Dow Chem Co
*Esso Standard Oil Co
Inland Chem Corp
International Selling Corp
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
►Peerless Oil & Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems Inc
Solvents & Chems Group
*L Sonneborn Sons
►*Stauffer Chem Co
►*Sun Oil Co
Thompson-Hayward Chem Co
*Union Carbide Chems Co
►Western Pennsylvania Chem Co

*Allied Industrial Products Co
*Anderson-Prichard Oil
*Atlantic Refining Co
*Barco Chem Products Co
*Delhi-Taylor Oil Corp, Chem Div
*E I du Pont de Nemours & Co, Electrochem Dept
*Eastern States Petroleum & Chem Corp
*B R Elk & Co
*Shell Oil Co
*Wye Industries

SOLVENTS, DYE

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*Antara Chem Div
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*Columbia-Southern Chem Corp
►*Commercial Solvents Corp
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
►Peerless Oil & Chem Corp
►*Quaker Oats Co
►*Sinclair Petrochems, Inc
Solvents & Chems Group
Stoney-Mueller, Inc
*Union Carbide Chems Co
►*US Industrial Chem Co Div
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*E I du Pont de Nemours & Co, Grasselli Chem
*Lacquer Specialties
*Octagon Process, Inc

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*Dow Chem Co
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Merchants Chem Co
*Neville Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
*Pennsylvania Industrial Chem Corp
►*Sinclair Petrochems, Inc
Solvents & Chems Group
►*Stauffer Chem Co
►*Sun Oil Co
*Union Carbide Chems Co

*Allied Finishing Specialties Co
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*Atlantic Refining Co
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*Hukill Chem Co
*Koppers Co, Tar Products Div
*Lacquer Specialties
*Monroe Sander Corp
*Penola Oil Co
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►*Eastman Chem Products
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►Peerless Oil & Chem Corp
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Stoney-Mueller, Inc
*Union Carbide Chems Co
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*E I du Pont de Nemours & Co, Electrochem Dept
*Lacquer Specialties
*Penola Oil Co
*Shell Chem Corp

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►*Allied Chem Corp, Solvay Process Div
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*American Oil & Supply Co
Chemical Solvents, Inc
*Columbia-Southern Chem Corp
►*Commercial Solvents Corp
*Esso Standard Oil Co
►*Hooker Chem Corp
International Selling Corp
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►*Sinclair Petrochems, Inc
Solvents & Chems Group
►*Stauffer Chem Co
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►*Titanium Alloy Mfg Div
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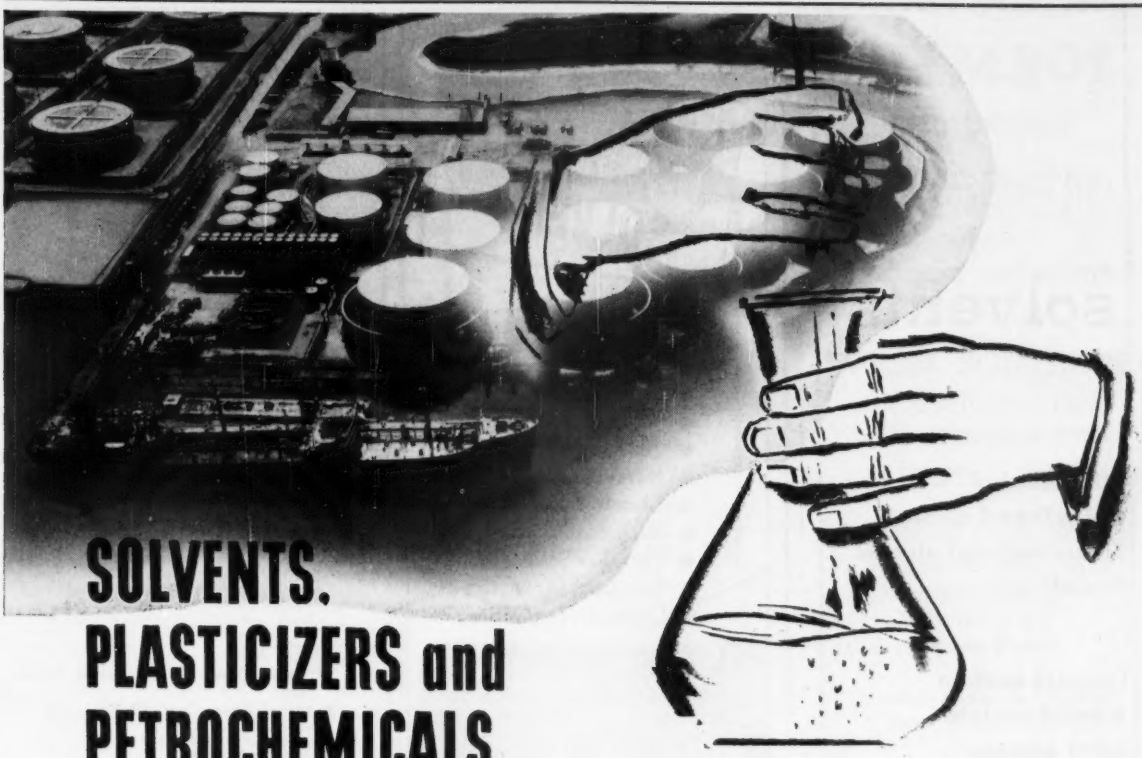
►*Allied Chem Corp, General Chem Div
*Dow Chem Co
►*E I du Pont de Nemours & Co, "Freon" Products Div
►*Stauffer Chem Co

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*American Oil & Supply Co
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Chemical Solvents, Inc
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*Olin Mathieson Chem Corp, Organic Chems
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*Esso Standard Oil Co
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*Pennsylvania Industrial Chem Corp
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*Bernard Chem Products
*Cosden Petroleum Corp
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*Dacar Chem Products
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*Oil & Chem Products
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*Penola Oil Co
*Shell Oil Co
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►*Allied Chem Corp, Nitrogen Div
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*American Oil & Supply Co
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Chemsol, Inc
►*Commercial Solvents Corp
*Dow Chem Co
*Esso Standard Oil Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
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*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
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Stoney-Mueller, Inc
►*Sun Oil Co
*Union Carbide Chems Co
►*U S Industrial Chem Co Div

*Aetna Color & Chem Co
*Anderson-Prichard Oil Corp
*Atlantic Refining Co
*Barco Chem Products Co
*California Ink Co
*Crowley Tar Products Co
*E I du Pont de Nemours & Co, Electrochem Dept
*Eastern States Petroleum & Chem Corp
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*Dow Chem Co
*Esso Standard Oil Co
McKesson & Robbins, Inc, Chem Dept
*Neville Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Solvents & Chems Group
*L Sonneborn Sons
►*Stauffer Chem Co
►*Sun Oil Co
*Thompson-Hayward Chem Co
*Union Carbide Chems Co

*Anderson-Prichard Oil
*Atlantic Refining Co
*Cosden Petroleum Corp
*Crowley Tar Products
*Delhi-Taylor Oil Corp, Chem Div
*Eastern States Petroleum & Chem Corp
*Penola Oil Co
*Shell Oil Co
*Velsicol Chem Corp

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SOLVENTS, LACQUER

►*Allied Chem Corp, National Aniline Div
►*Allied Chem Corp, Plastics & Coal Chems Div
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►*Commercial Solvents Corp
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►*Eastman Chem Products
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McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
*National Chem & Plastics Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
*Pennsylvania Industrial Chem Corp
*Publicker Industries
►*Rohm & Haas Co
Schoilc Chem Corp
►*Sinclair Petrochems, Inc
Solvents & Chems Group
Stoney-Mueller, Inc
►*Sun Oil Co
*Union Carbide Chems Co
►*US Industrial Chem Co Div

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*Anderson-Prichard Oil Corp
*Atlantic Refining Co
*E I du Pont de Nemours & Co, Finishes Div, "7" Specialties
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*B R Elk & Co
*Hukill Chem Co
*Lacquer Specialties
*Monroe Sander Corp
*National Starch Products
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*Diamond Alkali Co
*Dow Chem Co
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Globe Chem Co
►*Hooker Chem Corp
Inland Chem Corp
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*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
Solvents & Chems Group
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*Ampion Corp
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*Arol Chem Products
*Atlantic Refining Co
*Barco Chem Products Co
*Bell-Ray Chem Corp
*Bennett Inc
*Bernard Chem Products Co
*Detrex Chem Industries
*DuBois Co
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*Eastern States Petroleum & Chem Corp
*B R Elk & Co
*Eureka Chem Co
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►*Eastman Chem Products
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Merchants Chem Co
*National Chem & Plastics Co
*Olin Mathieson Chem Corp, Organic Chems
►Peerless Oil & Chem Corp
*Pennsalt Chems Corp
Schollie Chem Corp
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*Allied Industrial Products Co
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►Peerless Oil & Chem Corp
*Phillips Petroleum Co, Special Products Div
Solvents & Chems Group
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Stoney-Mueller, Inc
►*U S Industrial Chem Co Div
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*Arol Chem Products
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*Pennsylvania Industrial Chem Corp
*Phillips Petroleum Co, Special Products Div
►*Sinclair Petrochems, Inc
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*Texas Butadiene & Chem Corp
*Thompson-Hayward Chem Co
►*U S Industrial Chem Co Div

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R J Brown Co
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Chemsol, Inc
*Columbia-Southern Chem Corp
*Dow Chem Co
►*Eastman Chem Products
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*Heyden Newport Chem Corp
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*Neville Chem Co
*Olin Mathieson Chem Corp, Organic Chems
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*Phillips Petroleum Co, Special Products Div
Schollie Chem Corp
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•Neville Chem Co
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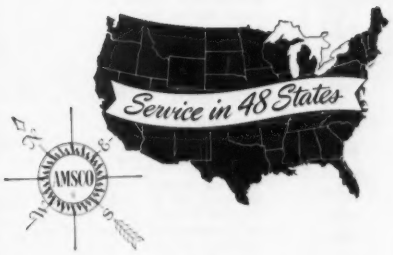
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►*Eastman Chem Products
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*Atlantic Refining Co
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*Pennsylvania Refining Co
*Shell Oil Co
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*Esso Standard Oil Co
*McLaughlin Gormley King Co
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*Trio Chem Works
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*Atlantic Refining Co
*Crowley Tar Products Co
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*Dow Chem Co
►*Eastman Chem Products
*Marine Colloids, Inc
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*National Lead Co
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*Union Carbide Chems Co
*Victor Chem Works
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*Atlantic Chem Corp
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*Catalin Corp of America
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Harwick Standard Chem Co
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►*Witco Chem Co

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*Colgate-Palmolive Co
*Deecy Products Co
*Ferro Chem Corp
*Geigy Industrial Chems Div
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►*Borden Chem Co
*Glyco Chems
*National Lead Co
►*Nopco Chem Co
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*Union Carbide Chems Co
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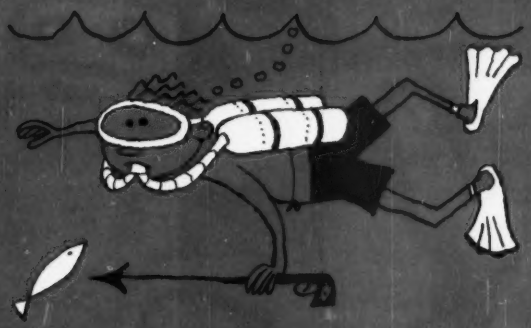
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SULFIDE WHITE see Lithopone

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SULFOCARBANILIDE see Thiocarbanilide

SULFONAMIDE P see Sulfanilamide

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SULFONYL CHLORIDE see Sulfuryl Chloride

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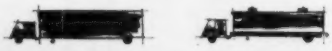
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Boiling Point..(14°F)	—10.0°C
Refractive Index	
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Gas (Mellor, J.W. Vol. X, 197) n15°/D (59°F)	1.000686

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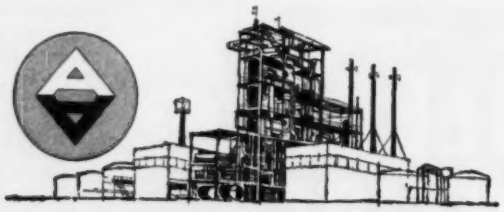
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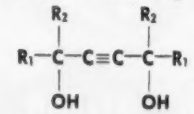


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SYLVITE see Potassium Chloride

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TARCANUM see Potassium Sulfate

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►*Allied Chem Corp, Plastics & Coal Chems Div
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*Heyden Newport Chem Corp
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►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
McKesson & Robbins, Inc, Chem Dept
►*M Michel & Co
►*Monsanto Chem Co
*Morningstar-Paisley, Inc
*Morton-Withers Chem Co
►*Nopco Chem Co
*Olin Mathieson Chem Corp, Organic Chems
►*Onyx Oil & Chem Co
►*Philadelphia Quartz Co
►*Rohm & Haas Co
*Rumford Chem Works
*Stein, Hall & Co
►*Tennessee Corp
*Ultra Chem Works Div
*Union Carbide Chems Co
►*Witco Chem Co
*Jacques Wolf & Co
*Alco Oil & Chem Corp
*Amalgamated Chem Corp
*Arnold, Hoffman & Co
*Arol Chem Products
*Atlantic Refining Co
*Atlas Refinery Inc
*Borne Chem Co
*Burkhart-Schier Chem Co
*Clarkson Labs
*Colgate-Palmolive Co
*Crown Chem Corp
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem Co
*B R Elk & Co
*Emkay Chem Co
*Fabric Chem Co
*Geigy Industrial Chems Div
*Hagan Chems & Controls
*C P Hall Co
*Hart Products Corp
*Hodag Chem Corp
*E F Houghton & Co
*Joy Chem Co
*Marathon Corp
*Marlowe-Van Loan Corp
*Metro-Atlantic, Inc
*Norton Chem Works
*Nyanza Color & Chem Co
*Oakite Products
*Port Huron Detergent Co
*Procter & Gamble Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Tanatex Chem Corp
*Titan Chem Products
*Wallerstein Co
*Warwick Chem Co Div
*Wica Chem
*Wye Industries

TEXTILE WEIGHTING COMPOUNDS
*Finetex Inc
*Maher Color & Chem Co
*Morningstar-Paisley, Inc
►*Onyx Oil & Chem Co
►*Philadelphia Quartz Co
*Stein, Hall & Co
*Union Carbide Chems Co
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(Continued)

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*Scholler Bros
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*F W Berk & Co
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International Selling Corp
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co
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THEOPHYLLINE ETHYLENEDIAMINE see Aminophylline

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►*M Michel & Co
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*Olin Mathieson Chem Corp, Organic Chems
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►*Wilson-Martin (Div Wilson & Co)
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*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Alco Oil & Chem Corp
*Atlas Refinery Inc
*Baroid Div, National Lead Co
*Bryant Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*B R Elk & Co
*Emkay Chem Co
*Gelgy Industrial Chems Div
*B F Goodrich Chem Co
*C P Hall Co
*Harry Miller Corp
*Mona Industries
*National Starch Products
*Polyvinyl Chems
*Process Chem Co
*Raybo Chem Co
*Swift & Co, General Soap Dept
*Arthur C Trask Co
*Troy Chem Co
*Warwick Chem Co Div
*Wica Chem

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*Godfrey L Cabot
►*Colton Chem Co
*Inerto Co
*Marine Colloids, Inc
Merchants Chem Co
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*Rubba, Inc
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*Wica Chem

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*American Mineral Spirits Co
*America Oil & Supply Co
Chemical Solvents, Inc
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Phillips Petroleum Co, Special Products Div
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►*Allied Chem Corp, Plastics & Coal Chems Div
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*American Oil & Supply Co
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►*Borden Chem Co
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*B R Elk & Co
*Hukill Chem Co
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*Octagon Process, Inc
*Potter Paint Co
*Pyroxylin Products
*R & A Leather Finish Co
*Raffi & Swanson
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*Velsicol Chem Corp

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►*Borden Chem Co
*Eastern Chem Corp
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►*Hooker Chem Corp

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*Eastern Chem Corp
*K & K Labs
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*Eastern Chem Corp
►*Evans Chemetics

*Merichem Div

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*Olin Mathieson Chem Corp, Industrial Chems

*Fairmont Chem Co
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*Polychemical Labs

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THIOURACIL

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►*J T Baker Chem Co
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*Filo Color & Chem Corp
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Henley & Co
*Mallinckrodt Chem Works

*Tracerlab Inc

THIOUREA DIOXIDE

*Filo Color & Chem Corp

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*Godfrey L Cabot
*Marine Colloids, Inc
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*Olin Mathieson Chem Corp, Organic Chems

*Baroid Div, National Lead Co
*Ferro Chem Corp
*Industrial Minerals & Chem Co
*US Oils & Chems

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*Matheson Coleman & Bell
►*Minerals & Chem Corp of America

*Heavy Minerals Co
*Metals & Controls Corp

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►*Lindsay Chem Div
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

THORIUM, METAL

City Chem Corp
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Intra Continental Export Co
*K & K Labs
►*Lindsay Chem Div
Millmaster Chem Corp
Var-Lac-Oid Chem Co

*Fairmount Chem Co
*Metals & Controls Corp
*New Process Metals

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►*Davison Chem Co Div
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►Berkshire Chems Inc
►*Davison Chem Co Div
►*Lindsay Chem Div
*Maywood Chem Works
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co *Heavy Minerals Co

THORIUM SULFATE
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►*Davison Chem Co Div
►*Lindsay Chem Div
*Maywood Chem Works
*Var-Lac-Oid Chem Co

*Heavy Minerals Co

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*K & K Labs

THREONINE
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Pfanstiehl Labs
*R S A Corp
Roussel Corp

*Schwarz Labs

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►Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Bram Metal-Chem Co *Research Chem

THULIUM OXALATE
*City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co *Research Chem
*Heavy Minerals Co

THULIUM OXIDE
►Berkshire Chems Inc
*City Chem Corp
►*Davison Chem Co Div
►*Lindsay Chem Div
*Michigan Chem Corp
*Var-Lac-Oid Chem Co

*Fairmount Chem Co *Research Chem
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THYME CAMPHOR see Thymol

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*Eastern Chem Corp
*Eastman Organic Chems
Fisher Scientific Co
*Matheson Coleman & Bell

*Hartman-Leddon Co

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*Mallinckrodt Chem Works

*Andor Labs

THYMOLPHTHALEIN
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*Eastman Organic Chems
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THYMOL SULFONPHTHALEIN see Thymol Blue

THYROID
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TINCAL see Borax

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►*J T Baker Chem Co
►Barclay Chem Co
*Fisher Scientific Co
McKesson & Robbins, Inc, Chem Dept
*Mallinckrodt Chem Works
►*Metal & Thermit Corp
*Vulcan Detinning Co

*Frontier Chem Co *Jordan Co

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►*J T Baker Chem Co
*Fisher Scientific Co
*Mallinckrodt Chem Works
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TIN FLUOBORATE (ous)
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McKesson & Robbins, Inc, Chem Dept

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McKesson & Robbins, Inc, Chem Dept
*Var-Lac-Oid Chem Co

TIN FLUOBORIDE (ous)
*City Chem Corp
McKesson & Robbins, Inc, Chem Dept
*Var-Lac-Oid Chem Co

*Ozark-Mahoning Co

TIN, METAL
►*J T Baker Chem Co
*Belmont Smelting & Refining Works
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*National Lead Co
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*Nuodex Products Co

*Troy Chem Co

TIN OLEATE
►*Metal & Thermit Corp
*Nuodex Products Co

*Troy Chem Co

TIN OXALATE (ous)
*City Chem Corp

TIN OXIDE (ic)
►*J T Baker Chem Co
►Barclay Chem Co
*Harshaw Chem Co
*Mallinckrodt Chem Works
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McKesson & Robbins, Inc, Chem Dept
►*Metal & Thermit Corp

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*Belmont Smelting & Refining Works
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TIN SULFATE (ic)
*City Chem Corp
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TIN SULFATE (ous)
►Barclay Chem Co
*Harshaw Chem Co
McKesson & Robbins, Inc, Chem Dept
►*Metal & Thermit Corp

TIN TETRACHLORIDE see Tin Chloride (ic)

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TITANIC CHLORIDE see Titanium Tetrachloride

TITANIUM BORIDE see Titanium Diboride

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*Var-Lac-Oid Chem Co
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►*Foote Mineral Co
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International Selling Corp
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Riches-Nelson, Inc
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*E I du Pont de Nemours & Co, Pigments Dept *New Jersey Zinc Co *Titanium Pigment Corp
*Glidden Co

TITANIUM FLUORIDE see Titanium Trifluoride and Titanium Tetrafluoride

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*Metals & Controls Corp
*Titanium Metals Corp of America
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TITANIUM NITRIDE
*Hummel Chem Co
►*Metal Hydrides
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TITANIUM SULFATE, BASIC
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Matheson Coleman & Bell
►*Stauffer Chem Co

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*City Chem Corp
*Var-Lac-Oid Chem Co

TITANIUM TRICHLORIDE (Titanous Chloride)
►*Stauffer Chem Co
*Var-Lac-Oid Chem Co
*Washine Chem Corp
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TITANIUM WHITE see Titanium Dioxide

TITANYL SULFATE see Titanium Sulfate, Basic

TOCOPHEROL see Vitamin E

o-TOLIDINE (o-Diaminoditolyl, Dimethylbenzidine, Diamidodimethyldiphenyl)
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*Fisher Scientific Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
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*Millmaster Chem Corp
►*Sumner Chem Co Div
*Chemo Puro Mfg Corp
*Roselle Labs

α-TOLUAMIDE see Phenylacetamide

TOLUAZOTOLUIDINE see o-Aminoazotoluene

TOLUENE see Toluol

o-TOLUENESULFONAMIDE
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α-TOLUENETHIOL see Benzyl Mercaptan

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m-TOLUIDINE
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*Koppers Co, Tar Products Div

o-TOLUIDINE
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*Koppers Co, Tar Products Div

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*E I du Pont de Nemours & Co, Dyes & Chem Div
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*E I du Pont de Nemours & Co, Dyes & Chem Div
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*Gulf Oil Corp, Petrochems Dept
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*Mallinckrodt Chem Works
►Modern Solvents & Chems Corp
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TOLYLENE DIISOCYANATES, MIXED
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►*Eastman Chem Products
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*Filo Color & Chem Corp
*Hilton-Davis Chem Co Div
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►*Koppers Co, Chems & Dyestuffs Div
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TONERS, PAINT see Pigments, Paint

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*Holland Color & Chem Co
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Chapman Chem Co
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Chapman Chem Co
Chemical Solvents, Inc
Conray Products Co
*Dow Chem Co
Howe & French Inc
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McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
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*Tect, Inc

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*Union Carbide Chems Co

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Barada & Page
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Revelli Chems, Inc
Sessions-Gifford Co
Irving M Sobin Chem Co
►*Stauffer Chem Co
*Tect, Inc
Trio Chem Works
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*Union Carbide Chems Co

TRICHLORONITROMETHANE see Chloropicrin

2,4,5-TRICHLOROPHENOL
*Dow Chem Co
►*Hooker Chem Corp
Merchants Chem Co

2,4,6-TRICHLOROPHENOL
*Diamond Alkali Co
Merchants Chem Co

1,2,3-TRICHLOROPROPANE
*Dow Chem Co

TRICHLOROPROPENE see Allyl Chloride

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►*E I du Pont de Nemours & Co "Freon" Products Div
*Pennsalt Chems Corp
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*Anderson Chem Co

n-TRIDECANE
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TRIETHANOLAMINE STEARATE
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TRIETHOXYMETHANE see Triethyl-o-Formate

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*K & K Labs
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*Kolker Chem Corp
►*Virginia-Carolina Chem Corp

TRIETHYL-o-PROPIONATE
►*Kay-Fries Chems

m-TRIFLUOROMETHYLPHENOL
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TRIFORMOL see Trioxane

TRIGLYCOL see Triethylene Glycol

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1,3,5-TRIHYDROXYBENZENE see Phloroglucinol

TRIHYDROXYETHYLAMINE see Triethanolamine

TRIIODOMETHANE see Iodoform

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*Anderson Chem Co

TRIISOPROPYL PHOSPHITE
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Matheson Co
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►*Rohm & Haas Co
*E I du Pont de Nemours & Co, Grasselli Chem

TRIMETHYLAMINE HYDROCHLORIDE
*R S A Corp
*United States Borax & Chem Corp
*Chemo Puro Mfg Corp
*E I du Pont de Nemours & Co, Grasselli Chem

TRI(METHYL AMYL) BORATE
*Anderson Chem Co

2,4,5-TRIMETHYLANILINE see Pseudocumidine

1,2,4-TRIMETHYLBENZENE see Pseudocumene

1,3,5-TRIMETHYLBENZENE see Mesitylene

TRIMETHYL BORATE see Methyl Borate

TRIMETHYL CARBINOL see Alcohol, tert.-Butyl

TRIMETHYLENE see Cyclopropane

TRIMETHYLENE BROMIDE (1,3-Dibromopropane)
►*Aceto Chem Co
*Dow Chem Co
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TRIMETHYLENE CHLOROBROMIDE (1-Bromo-3-Chloropropane)
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*Dow Chem Co
*Michigan Chem Corp

TRIMETHYLENE CHLOROHYDRIN
*R S A Corp
*Kaplop Labs

TRIMETHYLENE GLYCOL
►*Aceto Chem Co
Eastern Chem Corp
*K & K Labs
*Matheson Coleman & Bell
*R S A Corp
*Edcan Labs
*Kaplop Labs

TRIMETHYLENE IODIDE (1,3-Diiodopropane)
*Eastern Chem Corp
*K & K Labs
*R S A Corp

TRIMETHYLENE OXIDE see Trioxane

TRIMETHYL-o-FORMATE
►*Kay-Fries Chems

TRIMETHYLGLYCINE HYDROCHLORIDE see Betaine Hydrochloride

2,2,5-TRIMETHYLHEXANE
*Phillips Petroleum Co, Special Products Div

3,5,5-TRIMETHYL HEXAN-1-OL see Alcohol, 3,5,5-Trimethylhexyl

TRIMETHYLMETHANE see Isobutane

2,6,8-TRIMETHYL-4-NONANONE
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Tar Residuals

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►*Monsanto Chem Co
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1,3,7-TRIMETHYLXANTHINE see Caffeine

TRINIDAD PITCH see Asphalt

TRINITROFLUORENONE
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*Eastern Chem Corp
*Farchan Research Labs
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2,4,6-TRINITROPHENOL see Acid, Picric

2,4,6-TRINITROTOLUENE (TNT)
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TRIOXANE (sym-Trioxane, Triformol, Metaformaldehyde)
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*Farchan Research Labs
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2,6,8-TRIOXYPURINE see Acid, Uric

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2,3,5-TRIPHENYLTETRAZOLIUM CHLORIDE see Tetrazolium Chloride

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Merchants Chem Co
Charles A Wagner Co
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TRIPOLITE see Diatomite

TRIPOTASSIUM PHOSPHATE see Potassium Phosphate, Tribasic

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►Enjay Co
*Gulf Oil Corp, Petrochems Dept
►*Sun Oil Co

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*Fisher Scientific Co
*G Frederick Smith Chem Co

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TRISTEARIN see Stearin

TROPAEOLIN D see Methyl Orange

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*Fansteel Metallurgical Corp *S W Shattuck Chem Co
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n-UNDECYL BROMIDE
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*American Cyanamid Co, Organic Chem Div
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*Var-Lac-Oid Chem Co
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*Metals & Controls Corp *Spencer Chem Co
*S W Shattuck Chem Co

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*Mallinckrodt Chem Works
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URANIUM OXIDE see Uranium Dioxide, Peroxide and Trioxide

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►*Becco Chem Div
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UREASE
*Matheson Coleman & Bell
*Paul-Lewis Labs

URETHAN see Ethyl Carbamate

UROTROPIN see Hexamethylenetetramine

V

γ-VALEROLACTONE
*Eastern Chem Corp

VALINE
*Dow Chem Co
Pfanstiehl Labs
*Winthrop Labs
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VANADIC ANHYDRIDE see Vanadium Pentoxide

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*Belmont Smelting & Refining Works
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co
*Fairmount Chem Co
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*Warwick Chem Co Div

VEGETABLE CHARCOAL see Charcoal

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►*Borden Chem Co
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*Eastern States Petroleum & Chem Corp

VINYLTRICHLOROSILANE
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*Union Carbide Corp, Silicones Div
*Anderson Chem Co

VINYLTRIETHOXYSILANE
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*Union Carbide Chems Co
►*Westvaco Mineral Products Div
*Adhesive Products Corp *Rubba, Inc
*Geigy Industrial Chems

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►Barclay Chem Co
Dawe's Labs
*Eastman Organic Chems
*Fallek Products Co
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Hoffman Labs
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►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
George Uhe Co
*Vitamins, Inc
*Roselle Labs

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

VITAMINS

CRYSTALETS® (Crystalline Vitamin A Acetate Stabilized) • A & D CRYSTALETS® • VITAMIN A ACETATE IN OIL • VITAMIN A PALMITATE • VITAMIN A PALMITATE FOR AQUEOUS DISPERSION • THIAMINE MONONITRATE (B_1) • THIAMINE HYDROCHLORIDE (B_1) • RIBOFLAVIN (B_2) • PYRIDOXINE HYDROCHLORIDE (B_6) • CALCIUM d-PANTOTHENATE • NIACIN-NIACINAMIDE COBALAMIN CONCENTRATE N.F. SOLUTION OF COBALAMIN CONCENTRATE VITAMIN (B_{12}) CRYSTALLINE VITAMIN (B_{12}) TRITURATES B_{12} STABLETS® ASCORBIC ACID (C) SODIUM ASCORBATE CALCIUM ASCORBATE COATED ASCORBIC ACID

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6460 W. Cortland St., Chicago 35, Ill.
1500 Sixteenth St., San Francisco, Calif.
7600 Ambassador Row, Dallas 35, Texas

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Myvax® Dry Vitamin A Palmitate, in small beads of edible gelatin, and with the stability advantage that palmitate offers.

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GLenwood 3-1877

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DPi

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FEED SUPPLEMENTS
HORMONES
NARCOTICS
PENICILLIN
SULFA DRUGS
VITAMINS

FALCO

Fallek Products Co., Inc.
163 BROADWAY
NEW YORK 6, N. Y.
Cable Address: "Falcoprod"

VITAMIN B_{12}

►American Cyanamid Co, Fine Chems Dept
►Baird Chem Industries, Inc
Browning Chem Corp
Conray Products Co
*Dawe's Labs
Fallek Products Co
*Mallinckrodt Chem Works
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Chas Pfizer & Co
George Uhe Co
►*U S Industrial Chem Co Div
*Vitamins, Inc

*Grain Processing Corp
*Eli Lilly & Co
*Pabst Brewing Co
*Roselle Labs

VITAMIN C see Acid, Ascorbic

VITAMIN CONCENTRATES

►Baird Chem Industries, Inc
*Dawe's Labs
*Eastman Organic Chems
*Fallek Products Co
R W Greeff & Co
*Hoffman Labs
►*Nopco Chem Co
*Chas Pfizer & Co
*Standard Brands, Inc
*Thompson-Hayward Chem Co
*Vitamins, Inc

*Collett-Week Corp
*Freeman Industries
*General Mills, Special Commodities Div
*Grain Processing Corp
*Milbrew Co
*Pabst Brewing Co
*Roselle Labs
*Sterwin Chems, Inc
*Whitmoyer Labs

VITAMIN D

*Dawe's Labs
*Fallek Products Co
R W Greeff & Co
Hoffman Labs
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
*Standard Brands, Inc
*Vitamins, Inc

*Collett-Week Corp
*Freeman Industries
*Marine Products Co
*Roselle Labs
*Sterwin Chems, Inc
*Whitmoyer Labs

Vitamin E

DISTILLED *d*-ALPHA TOCOPHERYL ACETATE CONCENTRATE N. F., Type 6-25, containing 250 mg of *d*-alpha tocopheryl acetate per gram, and Type 6-100, pure *d*-alpha tocopheryl acetate.

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GLenwood 3-1877
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Los Angeles San Francisco
Portland, Oregon

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DPi

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Distillation Products Industries
is a division of
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VITAMIN D_2

►*American Cyanamid Co, Fine Chems Dept
*Dawe's Labs
*Fallek Products Co
R W Greeff & Co
Hoffman Labs
Industrial Chem & Dye Co
►*Nopco Chem Co
*Chas Pfizer & Co
Roussel Corp
*Standard Brands, Inc
George Uhe Co
*Vitamins, Inc

*Douglas Chem Corp
*Freeman Industries
*Marine Products Co
*Roselle Labs
*R P Scherer Corp
*Sterwin Chems, Inc
*Whitmoyer Labs

VITAMIN D_3

►Baird Chem Industries, Inc
*Dawe's Labs
*Fallek Products Co
Hoffman Labs
Industrial Chem & Dye Co
►*Nopco Chem Co
Roussel Corp
George Uhe Co
►*U S Industrial Chem Co Div
*Vitamins, Inc

*Douglas Chem Corp
*Freeman Industries
*Marine Products Co
*Roselle Labs
*Sterwin Chems, Inc
*Whitmoyer Labs

VITAMIN E

►Baird Chem Industries, Inc
*Eastman Organic Chems
Fallek Products Co
Hoffman Labs
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
►*Nopco Chem Co
George Uhe Co
►*U S Industrial Chem Co Div
Vitamins, Inc

*Collett-Week Corp
*Roselle Labs

VITAMIN H see Biotin

VITAMIN K (Menadione, 2-Methyl-1,4-Naphthoquinone, Menaphthene, Menaphthone)

►Baird Chem Industries, Inc
Browning Chem Corp
Fallek Products Co
McKesson & Robbins, Inc, Chem Dept
►*Merck Chem Div
*NYQ Chem Div, S B Penick & Co
*Vitamins, Inc

*Freeman Industries
*Eli Lilly & Co
*Roselle Labs

VITAMIN K_3 see Menadione

VOLCANIC ASH

Charles B Chrystal Co
►*Wyandotte Chem Corp
*Great Lakes Carbon Corp, Mining & Mineral Products Div
*Industrial Minerals & Chem Co

VOLUMETRIC SOLUTIONS

Industrial Chem & Dye Co
*Hartman-Leddon Co

VULCANIZING AGENTS, RUBBER

Harwick Standard Chem Co
►*Monsanto Chem Co
*Pennsalt Chems Corp
►*Stauffer Chem Co
►*Tennessee Corp
►*Thiokol Chem Corp
*Union Carbide Corp, Silicones Div

*Adhesive Products Corp
*Alco Oil & Chem Corp
*E I du Pont de Nemours & Co, Elastomer Chems Dept
*Minnesota Mining & Mfg Co, Chem Div
*Rare Metal Products Co
*Rubba, Inc
*Wica Chem

W

WALL SALTPETER see Calcium Nitrate

WARFARIN

S L Abbot Co
*S B Penick & Co

*Beechem Labs
*Prentiss Drug & Chem Co

WATER GLASS see Sodium Silicate

WATERPROOFING AGENTS — ASPHALT EMULSION, ELECTRICAL, TEXTILE, ETC.

►*Allied Chem Corp, Barrett Div
►*Borden Chem Co
*Diamond Alkali Co
*Dow Corning Corp
*Maher Color & Chem Co
►*Monsanto Chem Co
*National Chem & Plastics Co
*Neville Chem Co
►*Nopco Chem Co
Opalco Lab
►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Pittsburgh Coke & Chem Co
*Shepherd Chem Co
*L Sonneborn Sons
*Union Carbide Corp, Silicones Div
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co

*Adhesive Products Corp
*Allied Finishing Specialties Co
*American Finish & Chem Co
*Atlas Refinery Inc
*Borne Chem Co
*Carboline Co
*Ceresit Waterproofing Corp
*Clarkson Labs
*Continental Chem Co
*Davies-Young Soap Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Grasselli Chem
*Eastern Color & Chem Co
*Emkay Chem Co
*Fiber Chem Corp
*Hart Products Corp
*Nyanza Color & Chem Co
*Rubba, Inc
*Scher Bros
*Scholler Bros
*Sullivan Co
*Swift & Co, General Soap Dept
*Textile Proofers
*Titan Chem Products
*Warwick Chem Co Div
*Wica Chem
*Zophar Mills

WATER PURIFICATION CARBONS

*Barnebey-Cheney Co
L A Salomon & Bro
►Western Pennsylvania Chem Co

*American Norit Co
*Collier Carbon & Chem Corp
*Elgin Softener Corp
*Permutit Co

WATER PURIFICATION COMPOUNDS—see also Filter Media

*American Oil & Supply Co
Barada & Page
*Barnebey-Cheney Co
*Columbia-Southern Chem Corp
*Dow Chem Co
McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*Monsanto Chem Co
*Pennsalt Chems Corp
►*Philadelphia Quartz Co
►*Stauffer Chem Co
►*Tennessee Corp
►*Wyandotte Chem Corp

*Consolidated Chem Industries
*Elgin Softener Corp
*Feedwaters, Inc
*Hagan Chem & Controls
*Permutit Co
*United States Gypsum Co
*Western Chem Co

WATER REPELLENTS, SILICONE

*American Cyanamid Co, Organic Chem Div
*Dow Corning Corp
*General Elec Co, Silicone Products
►*Onyx Oil & Chem Co
*Refined Products Corp
*Sherwin-Williams Co
*Union Carbide Corp, Silicones Div

*Adhesive Products Corp
*Allied Finishing Specialties Co
*Anderson Chem Co
*Bryant Chem Corp
*California Stucco Products of N E
*Ceresit Waterproofing Corp
*Clarkson Labs
*Coopers Creek Chem Corp
*Eastern Color & Chem Co
*B R Elk & Co
*Benjamin Foster Co
*Inertol Co
*Metro-Atlantic, Inc
*Nyanza Color & Chem Co
*Octagon Process, Inc
*Rubba, Inc
*Scholler Bros
*Sullivan Co
*Warwick Chem Co Div

WATER REPELLENTS, TEXTILE

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
►Berkshire Chems Inc
►*Borden Chem Co
*Ciba Co
*Dow Corning Corp
*General Elec Co, Silicone Products
*Maher Color & Chem Co
►M Michel & Co
►*Nopco Chem Co

*Company classifies itself as producer ►See catalog advertisement (Advertisers Index)
See company directory for addresses

►*Onyx Oil & Chem Co
►Peerless Oil & Chem Corp
*Pennsylvania Industrial Chem Corp
*Refined Products Corp
*Trio Chem Works
*Union Carbide Corp, Silicones Div
►*Vitro Rare Metals Co
►*Wilson-Martin (Div Wilson & Co)
*Jacques Wolf & Co

*Amalgamated Chem Corp
*Atlas Refinery Inc
*Glover M Birk
*Bryant Chem Corp
*Burkhart-Schier Chem Co
*Clarkson Labs
*Continental Chem Co
*Crown Chem Corp
*Davies-Young Soap Co
*Dixo Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*E I du Pont de Nemours & Co, Grasselli Chem
*Eastern Color & Chem Co
*B R Elk & Co
*Emkay Chem Co
*Fabric Chem Co
*Fiber Chem Corp
*Hart Products Corp
*Metro-Atlantic, Inc
*Minnesota Mining & Mfg Co, Chem Products Group
*Nyanza Color & Chem Co
*Octagon Process, Inc
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Scientific Oil Compounding Co
*Tanatex Chem Corp
*Textile Proofers
*Titan Chem Products
*Velsicol Chem Corp
*Wica Chem

WATER SOFTENERS see Softeners, Water

WAX see also Waxes

WAX, BAYBERRY

*International Wax Refining Co
*Will & Baumer Candle Co

*Strahl & Pitsch Inc

WAX, BEES (Yellow Wax, Cera Flava)

►Barclay Chem Co
*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
Chas L Huisking & Co
International Commodities Corp
*International Wax Refining Co
McKesson & Robbins, Inc, Chem Dept
S B Penick & Co
*Will & Baumer Candle Co

*M Argueso & Co
*Dadant & Sons
*Theodore Leonhard Wax Co
*Frank B Ross Co
*Strahl & Pitsch Inc

WAX, BEES, SUBSTITUTE

*Boler Petroleum Co
Wm Diehl & Co
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
L A Salomon & Bro
*L Sonneborn Sons
*Will & Baumer Candle Co

*Allied Asphalt & Mineral Corp
*M Argueso & Co
*Atlas Refinery Inc
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, BRAZIL see Wax, Carnauba

WAX, CANDELILLA

*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
International Commodities Corp
International Wax Refining Co
►Western Pennsylvania Chem Co
*Will & Baumer Candle Co

*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, CARNAUBA (Brazil Wax)

►Barclay Chem Co
*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
Howe & French Inc
International Commodities Corp
International Wax Refining Co
S B Penick & Co
*Will & Baumer Candle Co

*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, CARNAUBA, SUBSTITUTE

*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
*Wm Diehl & Co
Dura Commodities Corp
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
*L Sonneborn Sons
*Will & Baumer Candle Co

(Continued)

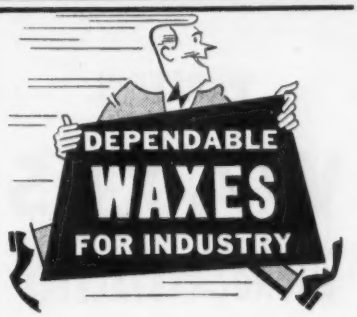
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• CERESINE
• OZOKERITE
• SYNTHETIC WAXES

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WAXES



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Phone: Woodlawn 6-1526
Cable: "Conchem"

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MICROCRYSTALLINE
ASPHALTS

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New York 22, N.Y.
Tel.: MUrray Hill 8-8080

Plants: Lyndhurst, N. J.—New Orleans, L. A.

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BEESWAX african latin american
JAPAN WAX genuine superior grades
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also MONTAN ESPARTO
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ORANGE & BLEACHED
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106 E 56th St. New York 22, N.Y.
Cable: DIEHLWILL
MUrray Hill 8-7960

WAX, CARBUNA, SUBSTITUTE (continued)

*M Argueso & Co
*Atlas Refinery Inc
*James V Bibbo Co
*Frank B Ross Co
*Strahl & Pitch Inc
*G S Ziegler & Co

WAX, CERESIN (Cerin, Cerosin, Earth Wax, Mineral Wax, Purified Ozocerite)

►*J T Baker Chem Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*M W Parsons-Plymouth
*Pennotex Oil Corp
L A Salomon & Bro
*Will & Baumer Candle Co

*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co
*Zophar Mills

WAX, CERESIN, SYNTHETIC

►Barclay Chem Co
*Boler Petroleum Co
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Robeco Chems
L A Salomon & Bro
►*Warwick Wax Div
*Will & Baumer Candle Co

*Allied Asphalt & Mineral Corp
*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co
*Zophar Mills

WAX, CHINESE (Insect Wax, Vegetable Spermaceti, Tree Wax)

International Wax Refining Co

WAX, EARTH see Wax, Ceresin

WAX, JAPAN (Japan Tallow, Vegetable Wax of Japan, Sumac Wax)

*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
*International Wax Refining Co
*Will & Baumer Candle Co

*M Argueso & Co
*G S Ziegler & Co

BOLER
WAXES
PARAFFIN WAXES
PARAFFLEX WAXES
MICROCRYSTALLINE WAXES
EMULSOFLEX WAXES
LAMINATING WAXES
HOT MELT COATINGS
WAX RESIN CONCENTRATES
WAX COMPOUNDS
VEGETABLE WAXES
SYNTHETIC WAXES
PETROLATUMS
BOLER
PETROLEUM CO.
Petroleum and Its Products
BOLER BUILDING, ARDMORE, PA.
Cable Address: CABOL, ARDMORE, PA.

WAX, LANOLIN (Lanolin Alcohols)

*Croda, Inc
*Fanning Chem Corp
International Wax Refining Co
McKesson & Robbins, Inc, Chem Dept
*Pennotex Oil Corp
RITA Chem Corp
*Lanaetex Products
*Malmstrom Chem Corp
*Robinson Wagner Co

WAX, MONTAN (Lignite Wax)

►Barclay Chem Co
Wm Diehl & Co
Dura Commodities Corp
Hostawax Co
*International Wax Refining Co
*American Lignite Products Co
*G S Ziegler & Co

WAX, OURICURY

Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co
*Will & Baumer Candle Co
*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, OZOCERITE

►Barclay Chem Co
Dura Commodities Corp
*Industrial Raw Materials Corp
*International Wax Refining Co
*M W Parsons-Plymouth
Robeco Chems
L A Salomon & Bro
*Will & Baumer Candle Co
*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, PALM

*Fanning Chem Corp
*International Wax Refining Co
*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAX, PARAFFIN

American Oil & Supply Co
►Barclay Chem Co
*Bareco Wax Co Div
*Boler Petroleum Co
Browning Chem Corp
Dura Commodities Corp
*Esso Standard Oil Co
M W Hardy & Co
Howe & French Inc
*Industrial Raw Materials Corp
International Commodities Corp
International Wax Refining Co
*Pennotex Oil Corp
Republic Chem Corp
Solvents & Chems Group
►*Sun Oil Co
►Warwick Wax Div
*Will & Baumer Candle Co
*Allied Asphalt & Mineral Corp
*Mobil Oil Co
*Shell Oil Co
*Strahl & Pitsch Inc

WAX, SHELLAC

*Acme Shellac Products Co
Wm Diehl & Co
International Wax Refining Co
*William Zinsser Co

WAX, SPERMACETI (Cetaceum)

►Barclay Chem Co
International Wax Refining Co
►*M Michel & Co
S B Penick & Co
Robeco Chems
*Will & Baumer Candle Co
*Archer-Daniels-Midland Co
*Swift & Co
*G S Ziegler & Co

WAX, SUGAR CANE

Wm Diehl & Co
Dura Commodities Corp
International Wax Refining Co
Solvents & Chems Group
►Warwick Wax Div
*G S Ziegler & Co

WAX, SUMAC see Wax, Japan

WAX, TREE see Wax, Chinese

WAX, YELLOW see Wax, Bees

WAX EMULSIONS

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Cyanamid Co, Organic Chem Div
*Bareco Wax Co Div
*Boler Petroleum Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

►*Borden Chem Co
*Chapman Chem Co
*Concord Chem Co
Wm Diehl & Co
Hostawax Co
►*Nopco Chem Co
*Pennotex Oil Corp
*Trio Chem Works
*Jacques Wolf & Co

*Adhesive Products Corp
*Amalgamated Chem Corp
*Arol Chem Products
*Atlas Refinery Inc
*Beacon Chem Industries
*Bennett, Inc
*Glover M Birk
*Borne Chem Co
*Bryant Chem Corp
*Burkart-Schier Chem Co
*Chemical Compounding Corp
*Columbia Wax Co
*Davies-Young Soap Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem Co
*Emkay Chem Co
*Fiber Chem Corp
*Fliebing Chem Co
*Fuld Bros
*General Latex & Chem Corp
*Hadley Bros-Uhl Co
*E F Houghton & Co
*Metro-Atlantic, Inc
*Mobil Oil Co
*Oil-Kraft, Inc
*Penetone Co
*R & A Leather Finish Co
*Rubba, Inc
*Schoiler Bros
*Seaboard Chem
*Uncle Sam Chem Co
*Warwick Chem Co Div
*Wica Chem
*Woodbury Chem Co

WAXES see also Wax

WAXES, AMORPHOUS

*Bareco Wax Co Div
*Boler Petroleum Co
►*Continental Oil Co
Dura Commodities Corp
*Glyco Chems
*International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
*L Sonneborn Sons

*Allied Asphalt & Mineral Corp
*American Lignite Products
*M Argueso & Co
*Atlantic Refining Co
*Bennett, Inc
*Mobil Oil Co
*Strahl & Pitsch Inc
*G S Ziegler & Co
*Zophar Mills

WAXES, BARRIER

*Bareco Wax Co Div
*Boler Petroleum Co
*Industrial Raw Materials Corp
*International Wax Refining Co
Petroleum Specialties
Solvents & Chems Group
*L Sonneborn Sons
►Warwick Wax Div

*Allied Asphalt & Mineral Corp
*M Argueso & Co
*Pyroxylin Products

WAXES, CABLE

*Bareco Wax Co Div
*Boler Petroleum Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
Solvents & Chems Group
►*Sun Oil Co
►*Warwick Wax Div

*Allied Asphalt & Mineral Corp
*American Lignite Products Co
*M Argueso & Co
*Atlantic Refining Co
*Strahl & Pitsch Inc
*United States Petroleum Co
*Zophar Mills

WAXES, CARBON PAPER

►*Allied Chem Corp, Semet-Solvay Petrochem Div
►Barclay Chem Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
►*M Michel & Co
Petroleum Specialties
Solvents & Chems Group
*L Sonneborn Sons
►*Sun Oil Co
►*Warwick Wax Div
►*Wilson-Martin (Div Wilson & Co)

*American Lignite Products Co
*M Argueso & Co
*Atlantic Refining Co
*Atlas Refinery Inc
*Pyroxylin Products
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co

WAXES, CASTING

*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
Wm Diehl & Co
*Esso Standard Oil Co
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
*L Someborn Sons
►*Warwick Wax Div

*American Lignite Products Co
*M Argueso & Co
*Atlantic Refining Co
*Merix Chem Co
*Strahl & Pitsch Inc
*G S Ziegler & Co
*Zophar Mills

WAXES, DAIRY

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Mineral Spirits Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Esso Standard Oil Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Solvents & Chems Group
►*Sun Oil Co

*M Argueso & Co
*Atlantic Refining Co
*Mobil Oil Co
*Pyroxylin Products
*United States Petrochem Co

WAXES, DIPPING

*Bareco Wax Co Div
*Boler Petroleum Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
Solvents & Chems Group
*L Sonneborn Sons
*Trio Chem Works
►*Warwick Wax Div

*Allied Asphalt & Mineral Corp
*American Lignite Products
*M Argueso & Co
*Hi-Test Chem Corp
*Pyroxylin Products
*G S Ziegler & Co
*Zophar Mills

WAXES, ELECTROTYPERS'

*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
L A Salomon & Bro
*L Sonneborn Sons
►*Warwick Wax Div
*Will & Baumer Candle Co

*Allied Asphalt & Mineral Corp
*American Lignite Products
*M Argueso & Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*G S Ziegler & Co
*Zophar Mills

WAXES, FIRE-RESISTANT

International Wax Refining Co

*Minnesota Mining & Mfg Co, Chem Div
*Zophar Mills

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

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Pennowaxes are especially produced and refined for the manufacture of emulsion polishes. Compare PENNOWAX with your present product for cost, quality, uniformity.

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—Waxes for wax formulations made by a wax manufacturer.—

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AMAZING WAXES for specialized uses

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- **Clear Solvent Solutions—Waxes W, FL, V**
- **Hot Melts—Waxes W, OP, E, S**
- **Aerosols—Waxes S, L, W, V, KPS**
- **Inks—Waxes KP, E, S, OP**
- **Chemical "Wax Acid" Intermediates—Waxes S, L**
- **Water-proofing—All Grades**
- **Polishes—All Grades**

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MICROCRYSTALLINE WAXES

that offer you:

- **Wide Range of Types and Grades**
- **Controlled Quality**
- **Consistent Uniformity**
- **Dependable Domestic Supply**

	PRODUCT	MELTING POINT MINIMUM °F	PENETRATION AT 77°F MAXIMUM	COLOR N. P. A. MAXIMUM	ACID NUMBER	SAPONIFICATION NUMBER
EMULSIFIABLE GRADES	PETROLITE C-15	180	6	5	15/17	45/55
	PETROLITE C-23	180	6	5	20/25	55/65
	PETROLITE C-36	180	7	6	30/35	75/85
	PETROLITE PE-100	195	3	6	15/20	45/55
	PETROLITE C	180	7	3	22/28	50/60
	PETRONAUBA D	185	5	6	20/28	50/60
	PETRONAUBA F	180	5	3	15/25	50/60
	PETRONAUBA H	195	3	4	15/25	50/60
SYNTHETIC GRADES	PETROLITE C-6500	200	3	4	10/13	30/40
	PETROLITE C-7500	205	3	2	10/13	25/30
	PETROLITE R-50	190	2	4½	40/50	65/80
	PETROLITE P-20	210	2	3	NIL	NIL
	PETROLITE P-25	210	2	3	NIL	NIL
	PETROLITE WB2	180	5	†	23/30	70/85
	PETROLITE WB5	185	3	†	19/27	50/65
	PETROLITE PC13	185	8	5	NIL	NIL
	PETROLITE PC44	160	4	5	NIL	NIL
HARD GRADES	PETROLITE C-1035	195	3	1½	NIL	NIL
	PETROLITE C-200-7	190	4	†	NIL	NIL
	PETROLITE C-700	190	4	1½	NIL	NIL
	PETROLITE C-200	190	8	†	NIL	NIL
	PETROLITE C-500	190	8	2½	NIL	NIL
	BE SQUARE 190/195	190	7	1½*	NIL	NIL
	BE SQUARE 180/185	180	11	1½*	NIL	NIL
	STARWAX 100	180	16	2*	NIL	NIL
PLASTIC GRADES	BE SQUARE 170/175	170	20	1½*	NIL	NIL
	CERAWELD	155	25	2½*	NIL	NIL
	CERATAK	155	30	2½	NIL	NIL
	VICTORY	155	30	2½*	NIL	NIL
	ULTRAFLEX	143	30	2*	NIL	NIL

*Also available in other colors †Brown

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AP-59-9

WAXES, FISCHER-TROPSCH

*Bareco Wax Co Div
Dura Commodities Corp
International Wax Refining Co
►Warwick Wax Div

*M Argueso & Co
*Atlas Refinery Inc
*Shanco Plastics & Chem

WAXES, FLOOR

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Oil & Supply Co
*Concord Chem Co
Wm Diehl & Co
*Sherwin-Williams Co
*Trio Chem Works
*Will & Baumer Candle Co
►*Wyandotte Chem Corp

*American Lignite Products
*Arol Chem Products
*Atlas Refinery Inc
*Beacon Chem Industries
*Berkshire Color & Chem Corp
*Chemical Compounding Corp
*Chicago Sanitary Products Co
*Columbia Wax Co
*Davies-Young Soap Co
*DuBois Co
*Eastern Color Chem Co
*Essential Chem Co
*Fuld Bros
*Oil-Kraft, Inc
*Penetone Co
*Pierce & Stevens Chem
*Riverside Chem Co
*Uncle Sam Chem Co
*United States Petrochem Co
*Woodbury Chem Co

WAXES, INSECT see Wax, Bees; Wax, Chinese and Wax, Shellac

WAXES, INSULATING

*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
Petroleum Specialties
*L Sonneborn Sons
►*Sun Oil Co
►*Warwick Wax Div
*Will & Baumer Candle Co

*Allied Asphalt & Mineral Corp
*American Lignite Products Co
*M Argueso & Co
*Atlantic Refining Co
*Hi-Test Chem Corp
*Joy Chem Co
*Pyroxylin Products
*Frank B Ross Co
*United States Petrochem Co
*G S Ziegler & Co
*Zophar Mills

WAXES, LAMINATING

*Bareco Wax Co Div
*Boler Petroleum Co
►*Borden Chem Co
*Glyco Chems
Hostawax Co
*Industrial Raw Materials Corp
International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
Solvents & Chems Group
*L Sonneborn Sons
►*Sun Oil Co
►*Warwick Wax Div

*American Lignite Products
*M Argueso & Co
*Atlantic Refining Co
*Bennett, Inc
*Joy Chem Co
*Mobil Oil Co
*Pyroxylin Products
*Frank B Ross Co
*G S Ziegler & Co
*Zophar Mills

WAXES, MICROCRYSTALLINE

*American Mineral Spirits Co
►Barclay Chem Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
►*Continental Oil Co
Dura Commodities Corp
*Esso Standard Oil Co
*Glyco Chems
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
L A Salomon & Bro
Solvents & Chems Group
*L Sonneborn Sons
►*Sun Oil Co
►*Warwick Wax Div
*Will & Baumer Candle Co

*Allied Asphalt & Mineral Corp
*Atlantic Refining Co
*Bennett, Inc
*Mobil Oil Co
*Shanco Plastics & Chems
*Shell Oil Co
*Strahl & Pitsch Inc
*United States Petrochem Co
*G S Ziegler & Co
*Zophar Mills

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

WAXES, MINERAL

►Barclay Chem Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
Hostawax Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
►*Sun Oil Co

*American Lignite Products
*M Argueso & Co
*Atlantic Refining Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*United States Petrochem Co
*G S Ziegler & Co
*Zophar Mills

WAXES, NATURAL

S L Abbot Co
*Concord Chem Co
Wm Diehl & Co
Dura Commodities Corp
*Industrial Raw Materials Corp
International Wax Refining Co
►*M Michel & Co
RITA Chem Corp
►Warwick Wax Div
*Will & Baumer Candle Co

*American Lignite Products
*M Argueso & Co
*Strahl & Pitsch Inc
*United States Petrochem Co
*G S Ziegler & Co

WAXES, PETROLEUM

*American Mineral Spirits Co
*American Oil & Supply Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Cary Chems
*Concord Chem Co
►*Continental Oil Co
*Esso Standard Oil Co
*Industrial Raw Materials Corp
*International Wax Refining Co
*Pennotex Oil Corp
Petroleum Specialties
Solvents & Chems Group
*L Sonneborn Sons
►*Sun Oil Co
►*Warwick Wax Div

*M Argueso & Co
*Atlantic Refining Co
*Mobil Oil Co
*Pennsylvania Refining Co
*Shanco Plastics & Chems
*Shell Oil Co
*Strahl & Pitsch Inc
*United States Petrochem Co
*Zophar Mills

WAXES, POLYETHYLENE

►*Allied Chem Corp, Semet-Solvay Petrochem Div
*Bareco Wax Co Div
*Boler Petroleum Co
►*Borden Chem Co
*Dow Chem Co
►*Eastman Chem Products
*International Wax Refining Co
J U Starkweather Co

*M Argueso & Co
*Atlantic Refining Co
*Pyroxylin Products
*Frank B Ross Co
*Woodbury Chem Co
*G S Ziegler & Co
*Zophar Mills

WAXES, SYNTHETIC

*Air Reduction Chem Co Div
*Allied Asphalt & Mineral Corp
►*Allied Chem Corp, Semet-Solvay Petrochem Div
*American Oil & Supply Co
*Argus Chem Corp
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
*Baker Castor Oil Co
►Barclay Chem Co
*Bareco Wax Co Div
*Boler Petroleum Co
*Carlisle Chem Works
*Cary Chems
►*Commercial Solvents Corp
*Concord Chem Co
Dura Commodities Corp
►*Eastman Chem Products
*Glyco Chems
Hostawax Co
*Industrial Raw Materials Corp

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new synthetic wax

Kyrax A

(polyvinyl ester wax)

PROPERTIES:

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APPLICATIONS:

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WAXES, SYNTHETIC (continued)

*International Wax Refining Co
*Kessler Chem Co
►*Monsanto Chem Co
►*Nopco Chem Co
*Pennotex Oil Corp
*Union Carbide Chems Co
*Will & Baumer Candle Co
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co

*Allied Asphalt & Mineral Corp
*M Argueso & Co
*Atlas Refinery Inc
*Minnesota Mining & Mfg Co, Chem Div
*Reilly-Whiteman-Walton
*Frank B Ross Co
*Shanco Plastics & Chems
*Strahl & Pitsch Inc
*US Oils & Chems
*G S Ziegler & Co
*Zophar Mills

WAXES, TWINE & CORDAGE

Wm Diehl & Co
*Industrial Raw Materials Corp
*International Wax Refining Co
RITA Chem Corp
►*Sun Oil Co
►*Warwick Wax Div

*Allied Asphalt & Mineral Corp
*American Lignite Products
*M Argueso & Co
*Atlantic Refining Co
*Atlas Refinery Inc
*Joy Chem Co
*Frank B Ross Co
*Strahl & Pitsch Inc
*United States Petrochem Co
*Zophar Mills

WAXES, VEGETABLE see Waxes, Natural

WEED KILLERS

American Oil & Supply Co
*Ansul Chem Co
►Baird Chem Industries, Inc
►Barclay Chem Co
*Chapman Chem Co
*Columbia-Southern Chem Corp
*Concord Chem Co
DeMert & Dougherty, Inc
*Diamond Alkali Co
*Dow Chem Co
*Esso Standard Oil Co
►Hooker Chem Corp
►*Monsanto Chem Co
*Pennsalt Chems Corp
*H P Rossiger & Co
*Shepherd Chem Co
*Sherwin-Williams Co
Solvents & Chems Group
►*Stauffer Chem Co
*Thompson-Hayward Chem Co
*Trio Chem Works
*Union Carbide Chems Co

*Aetna Color & Chem Co
*Amchem Products
*Atlantic Refining Co
*Chemical Insecticide Corp
*Chipman Chem Co
*Continental Chem Co
*Coopers Creek Chem Corp
*E I du Pont de Nemours & Co, Grasselli Chem
*Eastern States Petroleum & Chem Corp
*Frontier Chem Co
*Gallowhur Chem Corp
*Geigy Agricultural Chem
*Miller Chem & Fertilizer Corp
*National Aluminate Corp
*Naugatuck Chem Div
*Reade Mfg Co
*Roberts Chems, Inc
*Sullivan Co
*Thompson Chems Corp
*Woodbury Chem Co
*York Chem Co

WEIGHTERS, TEXTILE see Textile Weighting Compounds

WETTING AGENTS

*Advance Solvents & Chem Div
*Air Reduction Chem Co
►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
►*Armour Industrial Chem Co
*Atlas Powder Co, Chems Div
►Barclay Chem Co
*Blockson Chem Co
*Chapman Chem Co
*Concord Chem Co
►*Continental Oil Co
*Diamond Alkali Co
*Dow Chem Co
*Emery Industries
*Fallek Products Co
*Geigy Dyestuff Div
Harshaw Chem Co
►*Jefferson Chem Co
*Kessler Chem Co
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co

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*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

McKesson & Robbins, Inc, Chem Dept
Merchants Chem Co
►*M Michel & Co
►*Monsanto Chem Co
►*Nopco Chem Co
*Olin Mathieson Chem Corp, Industrial Chems
*Olin Mathieson Chem Corp Organic Chems
►*Onyx Oil & Chem Co
*Oronite Chem Co
►Peerless Oil & Chem Corp
*Refined Products Corp
Riches-Nelson, Inc
►*Rohm & Haas Co
*L Sonneborn Sons
*Stepan Chem Co
*Synthetic Chems
►*Tennessee Corp
*Trio Chem Works
*Ultra Chem Works Div
*Union Carbide Chems Co
*Victor Chem Works
Wallach-Gracer Export Corp
Whittaker, Clark & Daniels
►*Wilson-Martin (Div Wilson & Co)
►*Witco Chem Co
*Jacques Wolf & Co
►*Wyandotte Chem Corp

*Amalgamated Chem Corp
*American Smelting & Refining Co
*Arnold, Hoffman & Co
*Arol Chem Products
*Atlantic Refining Co
*Atlas Refinery Inc
*Britex Corp
*Colgate-Palmolive Co
*Crown Chem Corp
*Dixo Co
*DuBois Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Eastern Color & Chem Co
*B R Elk & Co
*Emkay Chem Co
*Fiber Chem Corp
*Essential Chem Co
*Francolor, Inc
*Geigy Industrial Chems Div
*C P Hall Co
*Hart Products Corp
*Hodag Chem Corp
*E F Houghton & Co
*Joy Chem Co
*Laboratory Equipment Corp
*Merix Chem Co
*Metro-Atlantic, Inc
*Minnesota Mining & Mfg Co, Chem Div
*Mona Industries
*National Aluminate Corp
*Pilot California Co
*Process Chem Co
*Procter & Gamble Co
*Protean Chem Corp
*Raybo Chem Co
*Reilly-Whiteman-Walton Co
*Roberts Chems, Inc
*Royce Chem Co
*Sandoz, Inc
*Scher Bros
*Scholler Bros
*Swift & Co, General Soap Dept
*Tanatex Chem Corp
*Titan Chem Products
*Universal Detergents
*Warwick Chem Co Div
*Wica Chem
*Wye Industries

WHITE ARSENIC see Arsenic Trioxide

WHITENING AGENTS — see also Brighteners, Fluorescent

►*Allied Chem Corp, National Aniline Div
*American Cyanamid Co, Organic Chem Div
*Antara Chem Div
*Carlisle Chem Works
*Ciba Co
*Failek Products Co
*Geigy Dyestuff Div
*Hilton-Davis Chem Co Div
*J M Huber Corp
►*Koppers Co, Chems & Dyestuffs Div
*Maher Color & Chem Co
*Pennsalt Chems Corp
►*Witco Chem Co

*Arnold-Hoffman & Co
*E I du Pont de Nemours & Co, Dyes & Chem Div
*Geigy Industrial Chems Div
*Fiber Chem Corp
*Hagan Chem & Controls
*Nyanza Color & Chem Co
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WHITING (Gilder's Whiting) — see also Calcium Carbonate

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Harshaw Chem Co
Harwick Standard Chem Co
Kraft Chem Co
*Mississippi Lime Co
►*National Gypsum Co
*National Lead Co
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*C K Williams & Co

*Calcium Carbonate Co
*Commercial Minerals Co
*Industrial Minerals & Chem Co
*Georgia Marble Co
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*Smith Lime Flour Co

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- Fatty Amines
- Polyethylene Glycol Fatty Esters
- Polyoxyethylene Alkylphenol Ethers
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Also Debittered Brewers' Dried Yeast U.S.P.

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*Amoco Chem Corp
►*J T Baker Chem Co
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Chemsol, Inc
*Delhi-Taylor Oil Corp, Chem Div
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*Pittsburgh Coke & Chem Co
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*Phillips Petroleum Co, Special Products Div
*Cosden Petroleum Corp
*Crowley Tar Products Co
*Donner-Hanna Coke Corp
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Y

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Millmaster Chem Corp
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*Bram Metal-Chem Co
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ZINC BICHROMATE see Zinc Dichromate

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*Western Dry Color Co

ZINC CHROME see Zinc Chromate

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*Harshaw Chem Co

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*Mallinckrodt Chem Works

*American Smelting & Refining Co
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*Fred'k A Stresen-Reuter
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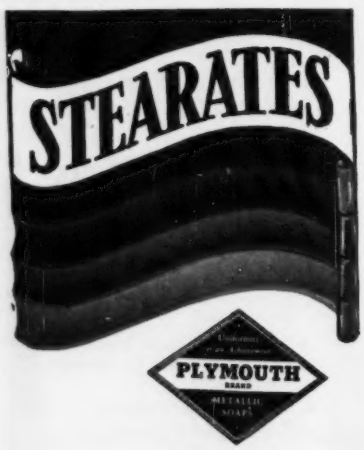
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ZINC SULFOPHENATE see Zinc Phenol Sulfonate

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*City Chem Corp

ZINC TELLURIDE

►*Merck Chem Div
*Var-Lac-Oid Chem Co

ZINC TITANATE

►*Titanium Alloy Mfg Div

ZINC TUNGSTATE

*City Chem Corp
*Var-Lac-Oid Chem Co
*North Metal & Chem Co

ZINC UNDECYLENATE

*Baker Castor Oil Co
*Millmaster Chem Corp
*Andor Labs
*Chemo Puro Mfg Corp

ZINC WHITE see Zinc Oxide

ZINC YELLOW see Zinc Potassium Chromate

ZINC ZIRCONATE

►*Titanium Alloy Mfg Div

ZINC ZIRCONIUM SILICATE

►*Titanium Alloy Mfg Div

ZIRAM see Zinc Dimethyl Dithiocarbamate

ZIRCON

►Berkshire Chems Inc
►*Foote Mineral Co
Indussa Corp
Industrial Chem & Dye Co
►*Titanium Alloy Mfg Div
Var-Lac-Oid Chem Co
*Heavy Minerals Co

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

ZIRCONIA see Zirconium Oxide

ZIRCONIUM ACETATE, BASE
►Berkshire Chems Inc
*City Chem Corp
►*Metal & Thermit Corp
►*Titanium Alloy Mfg Div
*Titanium Zirconium Co
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*F W Berk & Co *Carborundum Metals Co

ZIRCONIUM AMMONIUM FLUORIDE
*Kawecki Chem Co

ZIRCONIUM ANHYDRIDE see Zirconium Oxide

ZIRCONIUM BORIDE
*City Chem Corp
*Var-Lac-Oid Chem Co

ZIRCONIUM CARBONATE, BASIC
►Berkshire Chems Inc
*City Chem Corp
*Titanium Zirconium Co
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*Carborundum Metals Co

ZIRCONIUM DIBORIDE
*City Chem Corp
*United States Borax & Chem Corp
*Var-Lac-Oid Chem Co

ZIRCONIUM HYDRIDE
*City Chem Corp
Hummel Chem Co
►*Metal Hydrides
Pfaltz & Bauer, Inc
*Var-Lac-Oid Chem Co
*Carborundum Metals Co

ZIRCONIUM, METAL
*Belmont Smelting & Refining Works
*City Chem Corp
►*Foote Mineral Co
►*Metal Hydrides
*National Lead Co
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co
*Bram Metal-Chem Co *Fairmount Chem Co
*Carborundum Metals Co *Metals & Controls Corp
*Columbia-National Corp

ZIRCONIUM NITRATE (Zirconyl Nitrate)
►Berkshire Chems Inc
*Chemical Commerce
*City Chem Corp
Pfaltz & Bauer, Inc
*Titanium Zirconium Co
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*F W Berk & Co *Fairmount Chem Co

ZIRCONIUM NITRIDE
*City Chem Corp
*Hummel Chem Co
►*Metal Hydrides
Millmaster Chem Corp
*Var-Lac-Oid Chem Co

ZIRCONIUM OXIDE (Zirconium Anhydride, Zirconia, Zircon Alba, Baddeleite, Zirkite)
►Berkshire Chems Inc
Chemical Commerce
*City Chem Corp
*Kawecki Chem Co
►*Titanium Alloy Mfg Div
*Titanium Zirconium Co
*Union Carbide Corp, Silicones Div
*Var-Lac-Oid Chem Co
*Carborundum Metals Co *Zircanium Corp of America
*Fairmount Chem Co

ZIRCONIUM OXYCHLORIDE
►Berkshire Chems Inc
*City Chem Corp
►*Titanium Alloy Mfg Div
►*Vitro Rare Metals Co
*F W Berk & Co *Carborundum Metals Co
*E I du Pont de Nemours & Co, Dyes & Chem Div *Fairmount Chem Co

ZIRCONIUM SILICATE
►Berkshire Chems Inc
*City Chem Corp
►*Foote Mineral Co
►*Metal & Thermit Corp
►*Titanium Alloy Mfg Div
*Titanium Zirconium Co
Var-Lac-Oid Chem Co

ZIRCONIUM SULFATE
►Berkshire Chems Inc
*City Chem Corp
►*Titanium Alloy Mfg Div
*Titanium Zirconium Co
*Var-Lac-Oid Chem Co
►*Vitro Rare Metals Co
*Carborundum Metals Co

ZIRCONIUM SULFATE, BASIC (Zirconyl Sulfate)
*City Chem Corp
*F W Berk & Co *Carborundum Metals Co

ZIRCONIUM TETRACHLORIDE
*City Chem Corp
►*Stauffer Chem Co
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co
*Carborundum Metals Co *Columbia-National Corp
*Fairmount Chem Co

ZIRCONIUM TETRAFLUORIDE
►*Allied Chem Corp, General Chem Div
*City Chem Corp
►*Titanium Alloy Mfg Div
*Var-Lac-Oid Chem Co

ZIRKITE see Zirconium Oxide

ZIRCONIUM FLUORIDES

Potassium Zirconium Fluoride

Sodium Zirconium Fluoride

Calcium Zirconium Fluoride

Ammonium Zirconium Fluoride

KAWECKI CHEMICAL COMPANY INCORPORATED
220 East 42nd Street New York 17, N.Y.

TZON

ZIRCONIUM SALTS

ZIRCONIUM SULFATE CRYSTALS
ZIRCONIUM ACETATE SOLUTION
ZIRCONIUM CARBONATE PASTE

SODIUM ZIRCONIUM LACTATE
CP ZIRCONIUM OXIDE

TITANIUM ZIRCONIUM CO., INC.
13 Locktown Road Flemington, N. J.
Telephone Flemington 1123 - 1124

See company directory for addresses
*Company classifies itself as producer
►See catalog advertisement (Advertisers Index)

CHEMICAL TRADENAMES

Tradenames consisting of numbers alone will be found at the beginning of the alphabetical section under which the tradename might ordinarily be found if it were spelled out. Example: "7" — Located at the beginning of section under "S".

A

►**A-1, A-32, A-100: Rubber accelerators — Monsanto Chem Co**

AA: Oil, castor—BAKER CASTOR OIL CO

►**AA: Chemical fertilizer—American Agricultural Chem Co**

ABC: Coke—Alabama By-Products Corp
ACB: Primer—Tropical Paint Co

►**ACL 59, 60, 70, 85: Dry bleach assistant—Monsanto Chem Co**

ACM: Antioxidant for freezing fruit—CHAS PFIZER & CO
AD: Detergents—Colgate-Palmolive Co
AD-X2: Battery additive—Pioneers, Inc
AE 14 & 16: Etching compounds—PENNSALT CHEM CORP

►**AEH: Anhydroenneaheptitol—Celanese Corp of America**

AF41: Defoamer—Feedwaters, Inc
AG: Ion exchange resins; Activated alumina—Bio-Rad Labs
AM-9: Chemicals—AMERICAN CYANAMID CO, MARKET DEVELOPMENT DEPT
AMS 35: Inhibited acid—J F HENRY CHEM CO
AR: Analytical chemicals — MALLINCKRODT CHEM WORKS
ASC-4: Bactericide, fungicide—Norton Chem Works

►**ASP: Aluminum silicate pigments—Minerals & Chem Corp of America**

►**ACCEL: Lactic acid starter—Merck Chem Div**

ACCELERATOR: Glue—Swift & Co, Adhesive Products Dept

►**ACCELERATOR B: Rubber accelerator—Monsanto Chem Co**

ACCENT: Monosodium glutamate — INTERNATIONAL MINERALS & CHEM CORP, AMINO PRODUCTS DIV

►**ACCO: Gum & wood rosin sizes—American Cyanamid Co, Industrial Chem Div**

►**ACCOBOND: Resins—American Cyanamid Co, Industrial Chem Div**

►**ACCOBRITE: Rosin size—American Cyanamid Co, Industrial Chem Div**

►**ACCOCEL: Dispersant—American Cyanamid Co, Industrial Chem Div**

ACCOSPERSE: Pigments—AMERICAN CYANAMID CO, PIGMENTS DIV

►**ACCOSTRENGTH 2386: Paper resin—American Cyanamid Co, Industrial Chem Div**

ACETOSOL: Dyes—SANDOZ, INC
ACIDOLENE: Fat liquors—DIAMOND ALKALI CO
ACINTENE: Terpene derivatives—ARIZONA CHEM CO
ACINTOL: Tall oil products—ARIZONA CHEM CO
ACITROL: Pickling agent—E F Houghton & Co
ACRAWAX C: Waxes, synthetic—GLYCO CHEMS
ACRI-FLO 151: Styrene-acrylic latex—General Tire & Rubber Co

►**ACRYLOID: Resin solutions—Rohm & Haas Co**

►**ACRYLON: Synthetic rubber—Borden Chem Co**

►**ACRYSOL: Aqueous solutions, synthetic resins—Rohm & Haas Co**

►**ACTAMER: 2,2'-Thiobis-4,6-dichlorophenol—Monsanto Chem Co**

ACTANE: Metal acid pickling—Enthone, Inc
ACTEX: Cleaners, alkaline—DuBois Co
ACTIDIP: Coatings, corrosion control—PENNSALT CHEM CORP
ACTION: Cleaner—Octagon Process, Inc
ACTIVATE: Chelating agent—DuBois Co
ACTIVOL: Acid additive—Harry Miller Corp
ACTIV-8: Paint & varnish driers—R T Vanderbilt Co
ACTO: Sodium sulfonate—ESSO STANDARD OIL CO
ACTOL: Oil, lubricating—ESSO STANDARD OIL CO
ACTUSOL: Emulsifier—DuBois Co
ADAKANE: Aliphatic hydrocarbons—Archer-Daniels-Midland Co
AD-CEL-H20: Cellulosic adhesive—Jewel Labs
ADDATHENE: Asphalt additives—CHAPMAN CHEM CO
ADECENE: Aliphatic olefins—Archer-Daniels-Midland Co
ADHER-O-FLEX: Esterified shellac—ACME SHELLAC PRODUCTS CO
ADIPENE: Synthetic rubber—E I du Pont de Nemours & Co, Elastomer Chems Dept

►**ADIPOL: Resin & rubber plasticizers—Food Machy & Chem Corp, Chems & Plastics Div**

ADOGEN: Fatty products—Archer-Daniels-Midland Co
ADOL: Alcohols—Archer-Daniels-Midland Co

►**ADOMITE: Oil well fluid-loss control additive—Continental Oil Co**

ADSORBIT: Activated carbon—BARNEBEY-CHENEY CO
ADVACAR: Paint & varnish driers—ADVANCE SOLVENTS & CHEM DIV
ADVACIDE: Textile & paint fungicides—ADVANCE SOLVENTS & CHEM DIV
ADVANATE: Paint & varnish driers—ADVANCE SOLVENTS & CHEM DIV
ADVANCE: Cleaners, dishwasher—DuBois Co
ADVASTAB: Stabilizers, vinyl—ADVANCE SOLVENTS & CHEM DIV
ADVAWET: Wetting agents—ADVANCE SOLVENTS & CHEM DIV
AERFLOTED: Kaolin—J M HUBER CORP

►**AERO: Industrial chemicals, metallic stearates, catalysts—American Cyanamid Co, Industrial Chem Div**

AERO: Xanthates—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**AEROBRITE: Metal processing aid—American Cyanamid Co, Industrial Chem Div**

►**AEROCARB: Carburizing compound—American Cyanamid Co, Industrial Chem Div**

►**AEROCASE: Case hardening compounds — American Cyanamid Co, Industrial Chem Div**

►**AEROCAT: Cracking catalysts — American Cyanamid Co, Industrial Chem Div**

AEROFLOAT: Promoters—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**AEROFLOC: Flocculating agents—American Cyanamid Co, Industrial Chem Div**

►**AEROFORM: ACP catalyst—American Cyanamid Co, Industrial Chem Div**

►**AEROFORM PHF-1: Reforming catalyst, platinum—American Cyanamid Co, Industrial Chem Div**

AEROFROTH: Frothers—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**AEROHEAT: Salts, heat treating—American Cyanamid Co, Industrial Chem Div**

AEROJET: Jet airplane engine lubricants—AMERICAN OIL & SUPPLY CO
AEROKROIL: Kroil, pressurized—Kano Labs

►**AEROLUBE: Lubricating oil additives—American Cyanamid Co, Industrial Chem Div**

►**AEROMET: Metallurgical additives — American Cyanamid Co, Industrial Chem Div**

AEROMINE: Promoter—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**AERONOX: Antioxidants—American Cyanamid Co, Industrial Chem Div**

AEROPROX: Prox, pressurized—Kano Labs
AERO-SEALZ: Joint sealing material—Naugatuck Chem Div

►**AEROSIZE: Sizing preparations — American Cyanamid Co, Industrial Chem Div**

►**AEROSOL: Surface active agents—American Cyanamid Co, Industrial Chem Div**

AFAB: Acid fast bacilli stain—Belray Chem Co
AFCO: Liquid filter plates—American Felt Co
AFTA CLEANING FLUID: Dry cleaners; Solvents—Afta Solvents Corp
AFTA-GLO: Rug upholstery cleaner—Afta Solvents Corp
AFTA LEATHER CLEANER: Cleaner, leather treating—Afta Solvents Corp
AFTALENE: Solvents, dry cleaning—Afta Solvents Corp
AFTITE: Solvents, dry cleaning—Afta Solvents Corp

►**AGRICO: Chemical fertilizer—American Agricultural Chem Co**

►**AGRIMUL: Emulsifiers, insecticide — Nopco Chem Co**

►**AGRI-PHOS: Superphosphate — American Agricultural Chem Co**

►**AGRI-STREP: Agricultural streptomycin—Merck Chem Div**

AGROCHEM: Fertilizers—Southwestern Agrochem Corp
AGRON: Agricultural chelates—PFANSTIEHL LABS

►**AGRO-ZYME: Animal feed enzyme—Merck Chem Div**

AHCO: Products—Arnold, Hoffman & Co
AICCO-SOL: Products—American Industrial Chem Co
AIRCO: Vinyl monomers—AIR REDUCTION CHEM CO
AIR-CRETE: Air-entraining agents—Sullivan Co
AIR-LITE: Vermiculite—C R Graybeal & Sons
AIRMIX: Weed killer—Miller Products Co
AIR-SWEET: Deodorants—Uncle Sam Chem Co
AJAX: Calcium phosphate—VICTOR CHEM WORKS
AJAX: Ceramic clay—GEORGIA KAOLIN CO
AJAX: Cleaners—Colgate-Palmolive Co
AKTIVIN: Bleaching agent, textile; Disinfectant—HEYDEN NEWPORT CHEM CORP
AKTONE: Accelerators, rubber—J M HUBER CORP

►**ALAMAC: Acetates, primary fatty amines—General Mills, Chem Div**

ALAMASK: Odor control chemicals—Rhodia, Inc

►**ALAMIDE: Fatty amides—General Mills, Chem Div**

►**ALAMINE: Fatty amines, primary, secondary —General Mills, Chem Div**

ALANAP: Herbicides—Naugatuck Chem Div
ALATHON: Polyethylene resin—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
ALBAFIX: Tanning agents—DIAMOND ALKALI CO
ALBAOIL: Fat liquors—DIAMOND ALKALI CO

►**ALBASOL: Emulsifiers — Nopco Chem Co**

ALBATAN: Tanning agents—DIAMOND ALKALI CO
ALBERGER FLAKE: Products—Diamond Crystal Salt Co
ALBONE: Hydrogen peroxide—E I du Pont de Nemours & Co, Electrochem Dept
ALBUZYME: Edible foaming agent—Fermco Labs
ALBUSOL: Albumin, egg—MALLINCKRODT CHEM WORKS
ALCABAR: Calcium carbonate—C K WILLIAMS & CO
ALCOGARD: Antioxidant—Alco Oil & Chem Corp
ALCOGUM: Synthetic gum thickener, adjuvant—Alco Oil & Chem Corp
ALCOLAN: Lanolin alcohol absorption bases—Robinson Wagner Co
ALDAROME: Deodorants; Embalming fluids—Fritzsche Bros
ALDEX: Flavors, food, imitation—S B PENICK & CO
ALDO: Emulsifiers, edible—GLYCO CHEMS
ALDOR: Deodorant perfume compounds—Alpine Aromatics Inc
ALDRON: Insecticides, farm, garden—Miller Products Co
ALERT: Grease, twister ring—ESSO STANDARD OIL CO
ALERT: Gas odorants—ORONITE CHEM CO

►**ALFOL: Fatty alcohol—Continental Oil Co**

ALGOL: Dyes, vat—GENERAL DYESTUFF CO
ALGOR: Boiler water treatment—Feedwaters, Inc
ALGOSOL: Dyes, vat—GENERAL DYESTUFF CO
ALIPAL: Surfact active agents, anionic—ANTARA CHEM DIV

►**ALIQUAT: Fatty ammonium chlorides—General Mills, Chem Div**

►**ALITRILE: Fatty nitriles—General Mills, Chem Div**

►**ALIZAROL: Chrome mordant dye—Allied Chem Corp, National Aniline Div**

ALKA-DEOX: Rust and scale remover—Enthone, Inc
ALKALATE: Cleaners, alkali—DIAMOND ALKALI CO
ALKANE: Gas odorants—ORONITE CHEM CO

►**ALKAPHOS: Aluminum acid phosphate — Monsanto Chem Co**

►ALKARB: Products—American Potash & Chem Corp

►ALKATERGE: Oil-soluble surface active agents—Commercial Solvents Corp

ALKATRON: Boiler water treatment—Feedwaters, Inc
ALKAZENE: Gauge fluids—DOW CHEM CO
ALK-O-FLEX: Plasticizers, resin—ALKYDOL LABS
ALKOLENE: Fat liquors—DIAMOND ALKALI CO
ALK-O-MER: Resin & vinyl emulsions—ALKYDOL LABS
ALKON: Cleaner, electrolytic—DuBois Co
ALKOR: Acid-alkali-solvent proofing compounds—Atlas Mineral Products Co

►ALKRON: Parathion—American Potash & Chem Corp

ALKYTALL: Tall oil esters—ALKYDOL LABS
ALLEXCEL: Allethrin-synergist combinations—S B PENICK & CO
ALLITE: Fuel oil additive—Arol Chem Products
ALL PURPOSE W: Cleaners—DIAMOND ALKALI CO
ALLWALL: Paints, vinyl—California Stucco Products of N E
ALOCONATE 80: Petroleum sulfonate—L SONNEBORN SONS
ALODINE: Products—Amchem Products, Inc
ALPEX: Cyclized rubber—ALKYDOL LABS
ALPCO WAX: Wax—American Lignite Products Co
ALPEROX C: Lauroyl peroxide, technical—LUCIDOL DIV, WALLACE & TIERNAN INC
ALPHAMINE: Anticorrosive for steam lines—Feedwaters, Inc
ALPHANOL: Leather dyes—GENERAL DYESTUFF CO
ALPHASPRA: Hormones, plant—Miller Products Co

►ALPHAZURINE: Acid dyes, blue—Allied Chem Corp, National Aniline Div

ALPINE: Cleaners, floor—Fuld Bros
ALPINE VIOLET: Cyclamen aldehyde—Rhodia, Inc
ALRODYNE: Emulsifiers—Geigy Industrial Chem Div
ALROMINE: Surfactant, textile finishing—Geigy Industrial Chem Div
ALROPON: Surfactants; Detergents — Geigy Industrial Chem Div
ALROSOL: Surfactants—Geigy Industrial Chem Div
ALROSPERSE: Surfactants—Geigy Industrial Chem Div
ALROWAX: Waxes, synthetic—Geigy Industrial Chem Div
ALROWET: Wetting agents; Surfactants—Geigy Industrial Chem Div
ALSIFER: Products—Vanadium Corp of America
ALUMEX: Clays, filler—J M HUBER CORP
ALUMIL: Antacids—Reheis Co
ALUMON: Products—Enthone, Inc
ALUMOX: Aluminum oxidizer—Enthone, Inc

►ALWAX: Wax sizes — American Cyanamid Co, Industrial Chem Div

AMBER BYF: Products—Amber Labs

►AMBERLAC: Resinous materials — Rohm & Haas Co

►AMBERLITE: Resins adhesives, wood—Rohm & Haas Co

►AMBEROL: Resins—Rohm & Haas Co

►AMBERPLEX: Ion-exchange resin membranes —Rohm & Haas Co

AMBREX: Ink pigment—New York Color & Chem Co
AMERFLEX: Leather treating compounds—American Finish & Chem Co
AMERIPOL: Styrene-butadiene products—Goodrich-Gulf Chems, Inc
AMERIZE: Waterproofing compounds—American Finish & Chem Co
AMIDEX: Corn starch, modified—CORN PRODUCTS CO
AMIDON: Textile sizing—MORNINGSTAR-PAISLEY, INC
AMIJEL: Corn starch—CORN PRODUCTS CO
AMINEX: Ion exchange resins—Bio-Rad Labs
AMITOX: Weed killers—Miller Products Co
AMMATE: Weed, brush killer—E I du Pont de Nemours & Co, Grasselli Chem Dept
AMMO-NITE: Prilled ammonium nitrate fertilizers—Escambia Chem Corp
AMMO-PHOS: Fertilizers—OLIN MATHIESON CHEM CORP
AMOBAM: Fungicide—Roberts Chems, Inc
AMOCO: Solvents, additives, higher alcohols—AMOCO CHEM CORP
AMODYN: Explosives—Atlas Powder Co, Explosives Div
AMPACET: Polyethylene—American Molding Powder & Chem Corp
AMPHOCERIN: Cream basis—FALLEK PRODUCTS CO
AMPLITONE: Fixatives, perfume—Fritzsche Bros
AMPROZYME: Deslzing agents; Enzymes—JACQUES WOLF & CO
AMPVAR WASH PRIMER: Metal paint primer—Atlas Mineral Products Co
AMRES: Resins, synthetic—American-Marietta Co
AMSUL: Ammonium ethylene bis disulfide—Nash Chem Co
AMTOL: Processed fish oil—Pacific Vegetable Oil Corp
AMYLIQ: Starch-converting enzymes—Wallerstein Co
ANA-GREEN: Nitrogen solution, direct application—Spencer Chem Co
ANATTENE: Colors, vegetable—S B PENICK & CO
ANCHORITE: Phosphating compounds—Octagon Process, Inc
ANDOK: Anti-friction bearing grease—ESSO STANDARD OIL CO
ANGELO: Orange flake shellac—William Zinsser Co
ANHYDROL: Alcohol, denatured—UNION CARBIDE CORP
ANHYDROX: Barium carbonate—Baroid Div, National Lead Co
ANO: Dyes, anodized aluminum—GENERAL DYESTUFF CO
ANOCAPS: Rubber anode & hook protectors—HARSHAW CHEM CO
ANSIBASE: Products—Ansbacher-Siegle Corp
ANSICO: Products—Ansbacher-Siegle Corp
ANSIGEN: Products—Ansbacher-Siegle Corp

►ANSOL: Solvents—U S Industrial Chem Co Div

ANTARATE: Emulsifier—ANTARA CHEM DIV
ANTARON: Amphoteric surface-active agents—ANTARA CHEM DIV
ANTAROX: Surface active agent, nonionic—ANTARA CHEM DIV
ANTHRAGEN: Dyes, vat—GENERAL DYESTUFF CO
ANTHRALAN: Dyes, acid—GENERAL DYESTUFF CO
ANTHROSINE: Dyes, acid—GENERAL DYESTUFF CO
ANTIE-CARIE: Seed treating compounds—H P ROSSIGER & CO
ANTI-DUST: Dust mop & cloth spray—Krylon, Inc
ANTILUSTROLE: Delustrants—Warwick Chem Co Div
ANTIOXIDANT 425: Antioxidant—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
ANTIOXIDANT 2246: Antioxidant—AMERICAN CYANAMID CO

►ANTIOXIDANT B: Anti-skinning agents—Allied Chem Corp, National Aniline Div

►ANTIOXIDANT D: Anti-skinning agent, anti-oxidant—Allied Chem Corp, National Aniline Div

ANTI-RUST CRYSTALS: Corrosion inhibitor—Feedwaters, Inc
APASOL: Textile dispersing agents—JACQUES WOLF & CO
APCO H67, 467, 125: Solvents, bases—Anderson-Prichard Oil Corp
APCODYN: Explosives—Atlas Powder Co, Explosives Div
APCOL: Explosives—Atlas Powder Co, Explosives Div
APCOLENE: Solvents, naphtha—Anderson-Prichard Oil Corp
APCOSEAL: Coatings, waterproof—Anderson-Prichard Oil Corp
APCO-SOL: Solvents, paint—Anderson-Prichard Oil Corp
APCOTHINNER: Solvents, enamel—Anderson-Prichard Oil Corp
APCO VAPORTITE: Asphalt compounds—Anderson-Prichard Oil Corp
APEX: Explosives—Atlas Powder Co, Explosives Div
APEXIOR: Coatings, protective—Dampney Co
APPRAMINE: Softeners—Warwick Chem Co Div
APPRETOLE: Textile softeners—Warwick Chem Co Div
APRIL: Alkyl aryl sulfonate; Wetting agents—Essential Chem Co
AP-RO-PO: Imitation flavors for hard candy—Dodge & Olcott
AQUABLAK: Dispersion—COLUMBIAN CARBON CO
AQUACAL: Calcium stearate—Beacon Chem Industries
AQUADAG: Colloidal graphite in water—Acheson Colloids Co
AQUAFIL K-8, N-81: Diatomite—AQUAFIL CO
AQUA-FLAKES: Adhesives—National Starch & Chem Corp
AQUAGEL: Bentonite—Baroid Div, National Lead Co
AQUAID: Organic chelating, sequestering agent—Union Starch & Refining Co
AQUA-LAC: Paints, cement, casein—A Adler & Son
AQUA NUCHAR: Activated carbon, water purification—W Va Pulp & Paper Co, Industrial Chem Sales Div
AQUAPELANT: Products—Ansbacher-Siegle Corp
AQUAROMES: Perfume base—Felton Chem Co
AQUASEAL: Joint compound—JOHNS-MANVILLE
AQUASOL: Oils, sulfonated—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
AQUAZINC: Zinc stearate dispersion—Beacon Chem Industries
AQUESTROL: Estrogenic materials, bulk—S B PENICK & CO
ARACAR: Oil, car journal—ESSO STANDARD OIL CO
ARADUSTO: Insecticides, farm, garden—Miller Products Co
ARALDEHITE: Epoxy resins—Ciba Products Corp
ARAMITE: Insecticides—Naugatuck Chem Div
ARAPEN: Grease, pressure gun—ESSO STANDARD OIL CO
ARASAN: Thiram seed disinfectant, protectant—E I du Pont de Nemours & Co, Grasselli Chem Dept
ARASPRA: Insecticides, farm, garden—Miller Products Co

►ARATRON: Products—American Potash & Chem Corp

ARCTIC CRYSTAL: Soaps—Colgate-Palmolive Co
ARCTIC SYNTEX: Detergents—Colgate-Palmolive Co
ARCTURUS RED: Colors, dry red—SHERWIN-WILLIAMS CO
ARGO: Zein; Methyl Glucoside; Phytates—CORN PRODUCTS CO
ARGOSE: Corn Syrup—CORN PRODUCTS CO

►ARILOFT: Yarn, synthetic continuous filament—Eastman Chem Products

ARITEMP: Products—Aries Labs
ARIZOLE: Anethole, USP—ARIZONA CHEM CO
ARLACEL: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV
ARLEX: Sorbitol—ATLAS POWDER CO, CHEMS DIV

►ARMACS: Amine acetates—Armour Industrial Chem Co

ARMALASE: Catalase—ARMOUR LABS

►ARMEENS: Amines — Armour Industrial Chem Co

►ARMIDS: Amides—Armour Industrial Chem Co

ARMOFOS: Sodium tripolyphosphate, anhydrous—A R Maas Chem Co Div

►ARMOLADS: Polar organic nitrogen compounds—Armour Industrial Chem Co

ARMORCOTE: Tank coating—Crowley Tar Products Co

►ARNEELS: Nitriles—Armour Industrial Chem Co

►AROCLOR: Polychlorinated polyphenols — Monsanto Chem Co

AROMALOK: Flavors, spray dried—Fritzsche Bros
AROMEX: Carbon black—J M HUBER CORP
AROTOME: Carbon black—J M HUBER CORP
AROVEL: Carbon black—J M HUBER CORP
AROX: Oil, pneumatic drill—ESSO STANDARD OIL CO
ARPI: Vitamin D concentrate—General Mills, Special Commodities Div
ARPRO: Wheat germ oil—General Mills, Special Commodities Div

►ARQUADS: Quaternary ammonium salts — Armour Industrial Chem Co

ARRIBIN: Imitation chocolate flavor—Felton Chem Co
ARROW BLACK: Carbon black—J M HUBER CORP
ARROW STAR: Flour & starch — MORNINGSTAR-PAISLEY, INC
ARTEMP: Products—Aries Labs
ARTIC: Methyl chloride—E I du Pont de Nemours & Co, Electrochem Dept
ARTISIL: Dyes, disperse—Sandoz, Inc

►ASA: Anti-skinning agent—Allied Chem Corp, National Aniline Div

ASARCO: Nonferrous metals, alloys—American Smelting & Refining Co
ASPLIT: Acidproof cements—PENNSALT CHEMS CORP

►ASTON: Static agents—Onyx Oil & Chem Co

ASTRACEL: Dyes, disperse—GENERAL DYESTUFF CO
ASTRINGEN; HP: Astringent & anti-perspirant compounds—Waverly Chem Co, Inc
ASTROL: Dyes, acid—GENERAL DYESTUFF CO
ASTROTONE: Fixative—Rhodia, Inc
ATLAC: Resins, polyester—ATLAS POWDER CO, CHEMS DIV
ATLACIDE: Weed killer—Chipman Chem Co
ATLAS: Chemicals, industrial; Explosives—ATLAS POWDER CO, EXPLOSIVES & CHEMS DIVS
ATLAS A: Weed killer—Chipman Chem Co
ATLAS G-K: Jointing compound—Atlas Mineral Products Co
ATLAS: Waterproof white portland cement—Universal Atlas Cement
ATMOS: Emulsifiers, edible — ATLAS POWDER CO, CHEMS DIV
ATMUL: Emulsifiers, edible — ATLAS POWDER CO, CHEMS DIV
ATOMAG: Calcined magnesite—Philip Carey Mfg Co
ATOMEX: Radioactivity decontaminant—Stieh Chem
ATPET: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV
ATRAZINE: Herbicide—Geigy Agricultural Chem Div

►ATTACLAY: Insecticide carriers, diluents—Minerals & Chems Corp of America

►ATTACOTE: Chemical conditioner and "spacing" agent—Minerals & Chems Corp of America

►ATTAGEL: Thickening, suspending, emulsifying, conditioning agents—Minerals & Chems Corp of America

►ATTAPULGITE CLAY: Conditioning agent—Minerals & Chems Corp of America

►ATTASORB: Chemical conditioner, thixotropic thickener—Minerals & Chems Corp of America

AURAGREEN: Fungicides, turf—MALLINCKRODT CHEM WORKS
AURANTIOL: Chemicals, aromatic—GIVAUDAN

►AUTO-DRI: Floor absorbent, oil & grease, economy grade—Minerals & Chems Corp of America

AVOLIN: Dimethyl phthalate—Fritzsche Bros
AVRYLLIS: Perfume bases—Fritzsche Bros
AYTEX: Wheat starch—General Mills, Special Commodities Div

►AZITE 900: Liquefier—American Cyanamid Co, Industrial Chem Div

AZO FUCHSINE: Dyes, acid—GENERAL DYESTUFF CO
AZO PHLOXINE: Dyes, acid—GENERAL DYESTUFF CO
AZOSOL: Dyes, spirit-soluble—GENERAL DYESTUFF CO

B

B WAX: Synthetic beeswax—INTERNATIONAL WAX REFINING CO
BB ALKALI: Cleaner—DIAMOND ALKALI CO
BB BRAND: Beeswax—Theodora Leonhard Wax Co
B-E-T-S: Food enrichment tablets—Sterwin Chems, Inc
B-K LIQUID: Disinfectants, industrial—PENNSALT CHEM CORP
B-K POWDER: Disinfectants—PENNSALT CHEM CORP
B & P: Enamel—Tropical Paint Co
BP PYRO: Sodium acid pyrophosphate—VICTOR CHEM WORKS
B-P TEMPLETS: Ice-making tablets—BARADA & PAGE

►BPL: Beta propiolactone—Celanese Corp of America, Chem Div

BR-5512: Cleaner; Etching compound—DuBois Co
BR-5727: Chelating agent—DuBois Co

►BW: Sodium silicate—Philadelphia Quartz Co

►BY: Riboflavin and multivitamin supplements for animal feeds—Commercial Solvents Corp

►BYC: Quaternaries—Onyx Oil & Chem Co

BZO 50: Benzoyl peroxide paste—US Peroxygen Corp

►BACICAINE: Antibiotics; Feed chemicals—Nopco Chem Co

►BACIFERM: Antibiotic feed supplements—Commercial Solvents Corp

BAITO: Insecticides, farm, garden—Miller Products Co
BAKE-AID: Calcium phosphate—VICTOR CHEM WORKS
BAKELITE: Products—Union Carbide Plastics Co
BARABOND: Southern bentonite—BAROID CHEMS
BARAGEL: Thickening agents—BAROID CHEMS
BARALYME: Absorbent, acid gas—McGraw-Edison Co
BARAWATE: Barytes—Baroid Div, National Lead Co
BARBER GILSONITE: Gilsonite—AMERICAN GILSONITE CO
BARCA: Stabilizers—Deecy Products Co
BARDEN: Clay—J M HUBER CORP
BARINAC: Stabilizer, vinyl—NATIONAL LEAD CO

►BARNESITE: Optical products — Lindsay Chem Div

BAROID: Drilling mud products—Baroid Div, National Lead Co
BARON: Weed killer—DOW CHEM CO
BARTYL: Anti-skinning agents—SINDAR CORP
BASICOL: Oil substitutes, essential—Fritzsche Bros
BAYOL: Mineral oil, white—ESSO STANDARD OIL CO
BAY-SOL: Ammonium nitrate solutions—Escambia Chem Corp
BAYTEX: Adhesives, latex-type—U B S Chem Corp
BAYTOWN: Rubber masterbatches, synthetic—UNITED CARBON CO
BAZIDE: Sodium azide—CHAPMAN CHEM CO
BE SQUARE: Waxes, microcrystalline—BARECO WAX CO DIV
BEACON: Grease, low temperature—ESSO STANDARD OIL CO
BEBEBOND: Adhesives—B B Chem Co
BEBEROD: Adhesives, thermal fusion—B B Chem Co
BEBETEX: Latex—B B Chem Co
BEBEWELD: Adhesives—B B Chem Co

►BECCO: Peroxide, peroxygen compounds — Becco Chem Div

►BECKACITE: Resins—Reichhold Chems, Inc

►BECKAMINE: Resins, urea-formaldehyde — Reichhold Chems, Inc

►BECKOLIN: Oils, synthetic — Reichhold Chems, Inc

►BECKOPOL: Resins—Reichhold Chems, Inc

►BECKOSOL: Resins, alkyd—Reichhold Chems, Inc

BEEHIVE: Sunbleached white beeswax — WILL & BAUMER CANDLE CO
BEETLE: Molding compounds & resins—American Cyanamid Co, Plastics & Resins Div
BELL-MINE: High calcium lime, stone—Warner Co
BEMUL: Edible glyceryl monostearate—Beacon Chem Industries
BEN FRANKLIN: Agricultural gypsum—United States Gypsum Co
BEN-A-GEL: Thickening, suspension agent—NATIONAL LEAD CO
BEN HUR: Cleaners—Colgate-Palmolive Co

►BENTHAL: Alkyd resin intermediate—Monsanto Chem Co

BENTONE: Thickening, suspension agent—NATIONAL LEAD CO
BENZAHEX: BHC Insecticide—Chipman Chem Co
BENZO BROWN: Dyes, direct—GENERAL DYESTUFF CO
BENZO VISCOSE: Dyes, direct—GENERAL DYESTUFF CO
BENZOFIX: Fixing agents, textile—GENERAL DYESTUFF CO
BENZOFLEX: Plasticizers—Tennessee Products & Chem Corp
BENZOFORM: Dyes, direct—GENERAL DYESTUFF CO
BERRY BIG: Plant hormones—Miller Products Co
BETANOX: Antioxidant, rubber—Naugatuck Chem Div
BETASOL: OT wetting agent—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
BEUTENE: Rubber accelerator—Naugatuck Chem Div
BEX: Pure butter derivatives—Sterol Derivatives, Inc
BI-CAL: Fungicides, turf—METALSALTS CORP
BI-CAP: Flour enrichment concentrates—CHAS PFIZER & CO
BIDEPHEN: Bacteriostat—FALLEK PRODUCTS CO
BIGARADINE: Synthetic orange oils—Fritzsche Bros

►BIKALITH: Lepidolite—American Potash & Chem Corp

BIKINI: Floor wax—Uncle Sam Chem Co
BIOBATE: Bates, leather—Wallerstein Co
BIONOL: Cationic bactericidal agents—ANTARA CHEM DIV
BIOSTAT: Oxytetracycline hydrochloride—CHAS PFIZER & CO
BLACKBIRD: Sulfur—OLIN MATHIESON CHEM CORP

►BLACK DIAMOND: Pitch—Allied Chem Corp, Barrett Div

BLACK HILLS: Bentonite—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
BLACK LEAF 40: Nicotine sulfate—DIAMOND ALKALI CO
BLACK MAGIC: Activated carbon, filters—BARNEBEY-CHENEY CO
BLACK PEARLS: Carbon black, pelleted channel—GODFREY L CABOT
BLANCHIT: Wood bleach—L R van Allen Co
BLANCLITE: Marking ink, invisible — MAGIC-GLOW CHEM CORP
BLANCOL: Dispersing agent—ANTARA CHEM DIV
BLANCOPHOR: Whitening agents, optical—ANTARA CHEM DIV
BLANDOL: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
BLANKIT: Sodium hydrosulfite—ANTARA CHEM DIV
BLAST: Steam cleaner—DuBois Co
BLAZECRETE: Cement, refractory—JOHNS-MANVILLE
BLE: Antioxidant, rubber—Naugatuck Chem Div
BLU-GLU: Flexible glue—Swift & Co, Adhesive Products Dept

►BLUE MOUNTAIN: Nepheline syenite—International Minerals & Chem Corp, Industrial Minerals Div

BLUE WHITENERS: Whiteners for gasoline kerosene—PATENT CHEMS

►BOERITE: Penetrants, leather—Nopco Chem Co

BOILERENE: Boiler compounds—Dacar Chem Products Co
BOMBER: Detergent—DIAMOND ALKALI CO
BONANZA: Products—Ansbacher-Siegle Corp
BONDMASTER: Industrial adhesives—Rubber & Asbestos Corp
BONDRITE: Natural rubber solvent cements—U B S Chem Corp
BOOK MASTER: Flexible glue—Swift & Co, Adhesive Products Dept
BOOSTER POWDER: Fertilizer—Miller Products Co
BORDO: Chemicals, agricultural—Miller Products Co
BORDUSTO: Chemicals, agricultural—Miller Products Co
BORESTER: Boric acid ester—UNITED STATES BORAX & CHEM CORP
BORNE-FLEX: Leather sole impregnants—Borne Chem Co
BORNE-STAT: Antistatic agent—Borne Chem Co
BORNO: Products—Berkshire Color & Chem Corp
BOROCIDE: Insecticides, farm, garden—Miller Products Co

►BOROSPRAY: Borate, agricultural—American Potash & Chem Corp

►BOROTHERM: Borate, technical—American Potash & Chem Corp

►BOSS: Sodium sulfonate—Bryton Chem Co

BOSTIK: Adhesives—B B Chem Co
BOWAX: Laminating wax—BOLER PETROLEUM CO
BOTH: Cleaner—Fuld Bros
BRAMBLECIDE: Products—Thompson Chems Corp
BRAMBLE WEEDICIDE: Products—Thompson Chems Corp
BREA: Petrochemicals; Fertilizers—Collier Carbon & Chem Corp
BREEZY: Deodorants—Uncle Sam Chem Co
BRELLIN: Plant growth stimulant—S B PENICK & CO
BRETOL: Germicide—FINE ORGANICS
BRICK MASTER: Periclase—MICHIGAN CHEM CORP
BRICKAID: Brick additive—Spencer Chem Co
BRIJ: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV
BRETON: Wool oils—Borne Chem Co
BRILLIANT BLACK: Gilsonite, black, dense—G S Ziegler & Co

►BRILLOL: White mineral oil — Continental Oil Co

BRITELUME: Protective coating—Maas & Waldstein
BRITE-WOOL: Wool soap—Britex Corp
BRITLITE: Cleanser—Britex Corp
BROM 55: 1,3-Dibromo-5,5-dimethylhydantoin—Bromine Producers Co
BROMAT: Germicide—FINE ORGANICS
BROMINOL: Oil, brominated—Abbott Labs

►BROMOFUME: Ethylene dibromide soil fumigant—American Potash & Chem Corp

►BROMOTOX: Space fumigant — American Potash & Chem Corp

BROMVEGOL: Food processing Products—S B PENICK & CO
BRONOCO: Products—R J BROWN CO
BROSCO: Textile auxiliaries—Scholler Bros
BRUSHITE: Cleaner, paint brush—Chemical Specialties Co
BRUSHMASTER: Industrial adhesives—Rubber & Asbestos Corp

►BRYLITE: Sodium calcium, barium sulfonates—Bryton Chem Co

BUCKEYE: Products—DIAMOND ALKALI CO

►BUFFALO: Acid dyes—Allied Chem Corp, National Aniline Div

BUFFALO: Corn starch—CORN PRODUCTS CO
BULLS EYE: Shellac—William Zinsser Co
BUTAC: Chemicals, rubber—J M HUBER CORP
BUTACITE: Polyvinyl butyral rosin—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
BUTAPRENE: Styrene butadiene latexes — Firestone Plastics Co
BUTAPRENEN: Butadiene, acrylonitrile copolymers—Firestone Synthetic Rubber & Latex Co
BUTAREZ: Polybutadiene, liquid—PHILLIPS PETROLEUM CO

►BUTOBEN: Butylhydroxybenzoate — Merck Chem Div

BUTOXONE: Selective weed killer—Chipman Chem Co
BUTTATONE: Butter flavor, imitation—Dodge & Olcott
BUTVAR: Polyvinyl butyral resins — SHAWINIGAN RESINS CORP
BUXINE: Amyl cinnamic aldehyde—GIVAUDAN

C

►C-1-A: Lubricating oils—Monsanto Chem Co

C2: Sodium chlorite—OLIN MATHIESON CHEM CORP

►C-56: Hexachlorocyclopentadiene — Hooker Chem Corp

C 64: Aromatic specialty chemical—DOW CHEM CO
C-255: Process oil, rubber—C P Hall Co
CC: Charcoal briquets—Collier Carbon & Chem Corp
CCC: Insecticide diluent—Calcium Carbonate Co

►CDB-59, 60, 70, 85: Bleaches—Westvaco Mineral Products Div

CDP: Tribasic calcium phosphate—SMITH-DOUGLASS CO
CE-100: Hemicellulose enzyme—Takamine Lab
CH-100, 101: Cleaners—DIAMOND ALKALI CO
CI MASTIC 60-25: Protective coating—Benj Foster Co
CM: Flame retardant—E I du Pont de Nemours & Co, Grasselli Chem Dept
CMF: Calcium manganese, free—Diamond Crystal Salt Co

►CP-40: Chlorinated paraffin—Hooker Chem Corp

CPA-1800: Electroplating salt—DIAMOND ALKALI CO
CS-137: Stabilizer, vinyl—NATIONAL LEAD CO
CAB-O-LITE: Wollastonite—GODFREY L CABOT
CAB-O-SIL: Silica—GODFREY L CABOT

►CACHLOT: Higher fatty alcohols—M Michel & Co

CADALYTE: Products—E I du Pont de Nemours & Co, Electrochem Dept
CADMINATE: Fungicides, turf—MALLINCKRODT CHEM WORKS
CADOX: Peroxide compounds—McKESSON & ROBBINS, INC, CHEM DEPT
CALADEX: Paper starches—A E Staley Mfg Co
CAL-A-SAL: Ammonium chloride—Geo Callahan & Co
CALCENE: Calcium carbonate—COLUMBIA-SOUTHERN CHEM CORP
CALCERITE: Plastics, casting—Furane Plastics
CALCO: Dyes—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
CALMAG: Magnesite—Philip Carey Mfg Co
CALMAGOX: Magnesite—Philip Carey Mfg Co
CALO-CLOR: Fungicides, turf—MALLINCKRODT CHEM WORKS
CALOCURE: Fungicides, turf—MALLINCKRODT CHEM WORKS
CALODORANT: Gas odorants—ORONITE CHEM CO
CALOMAG: Insecticides, farm, garden—Miller Products Co
CALORIA: Lubricant, high temperature—ESSO STANDARD OIL CO
CALSATE: Hydrated lime—Limestone Products Co
CAL-SET: Ink—California Ink Co
CALSTAR: Stabilizer, vinyl—NATIONAL LEAD CO
CALWHITE: Calcium carbonate filler—Georgia Marble Co
CAMEO: Laundry starch—A E Staley Mfg Co
CANTONA: Oil, cylinder—ESSO STANDARD OIL CO
CAPITAL: Acids, fatty, distilled—Capital City Products Co

CAPITOL: Liners, finishes—Textile Proofers

►CAPROLAN: Polycapramide nylon — Allied Chem Corp, National Aniline Div

CAPTAN: Odorants; Gas mercaptans—Natural Gas Odorizing
CARALAK: Irish moss extract; Vegetable gum compound—MARINE COLLOIDS, INC
CARAMELLONE: Flavors—FLORASYNTH LABS

►CARBANSOL: Vat pigment—Allied Chem Corp, National Aniline Div

►CARBANTHRENE: Anthraquinone vat dyes—Allied Chem Corp, National Aniline Div

CARBASOL: Resins—C J Osborn Co
CARBITOL: Diethylene glycol ethers, diethers, esters—UNION CARBIDE CORP
CARBIUM: Calcium carbonate—DIAMOND ALKALI CO
CARBO: Chemicals, agricultural—Miller Products Co
CARBO-DUR: Water purification carbons—Permutit Co
CARBO-KOREZ: Acid-alkali-solvent proofing compound—Atlas Mineral Products Co
CARBOLAC: Carbon black, channel—GODFREY L CABOT
CARBOPOL: Hydrophilic polymers—B F Goodrich Chem Co

►CARBOSE: Sodium carboxymethyl cellulose—WYANDOTTE CHEMS CORP

CARBOSEAL: Sealers, gas line—UNION CARBIDE CORP

►CARBOSOTA: Coal-tar, creosote wood preservatives—Allied Chem Corp, Barrett Div

CARBO-SOUR: Sours, laundry—DIAMOND ALKALI CO
CARBO STRIP: Carbon strippers—Octagon Process, Inc
CARBOWAX: Glycols, polyethylene, methoxy polyethylene—UNION CARBIDE CORP
CARBOXIDE: Fumigants, sterilant—UNION CARBIDE CORP
CARBUREX: Automotive specialties, chem—DuBois Co
CARBYNE: Herbicide—Spencer Chem Co

►CARDIS: Emulsifiable petroleum wax—Warwick Wax Div

CARDASOL: Alkaline setting starch paste, cement additive—Minnesota Mining & Mfg Co, Chem Div
CARDOLITE: Resin, cashew nut shell liquid—Minnesota Mining & Mfg Co, Chem Div
CAREYMAG: Magnesium oxide—Philip Carey Mfg Co
CARNATION: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
CAROLATES: Cosmetics bases—ROBECO CHEMS
CAROLID: Dye carrier—Tanatex Chem Corp
CAROXITE: Carbon dioxide absorbent—FISHER SCIENTIFIC CO
CARUM: Grease, solvent resistant—ESSO STANDARD OIL CO
CASCADE: Case chain lubricator—Oakite Products

►CASCO: Adhesive resins—Borden Chem Co

►CASCOPHEN: Resorcinol resins—Borden Chem Co

CASEMAKE: Flexible glue—Swift & Co, Adhesive Products Dept
CASPRO: Vermiculite—California Stucco Products of N E
CASTORDAG: Colloidal graphite in castor oil—Acheson Colloids Co
CASTORWAX: Oil, castor; Wax, synthetic—BAKER CASTOR OIL CO
CASTROLITE: Sulfonated castor oil—Royce Chem Co
CASTUNG: Oil, castor; Drying—BAKER CASTOR OIL CO
CAT LUBE: Products—Filtrol Corp
CATALASE-FC: Mold catalase—Fermco Labs
CATANAC: Antistatic agents—AMERICAN CYANAMID CO, MARKET DEVELOPMENT DEPT
CATO: Starch, paper, textile—National Starch & Chem Corp
CAZAR: Grease—ESSO STANDARD OIL CO

►CEBICURE: Ascorbic acid—Merck Chem Div

►CEBITATE: Sodium ascorbate—Merck Chem Div

CEDAR HOLLOW: Dolomitic lime, stone—Warner Co
CEILCOTE: Corrosion proof linings—Ceilcote Co
CEILCRETE: Acid proof lining—Ceilcote Co
CEILPOR: Acid proof coating—Ceilcote Co

►CELANESE: Products — Celanese Corp of America, Chem Div

CELITE: Diatomaceous earth products—JOHNS-MANVILLE
CELKATE: Magnesium silicate, synthetic—JOHNS-MANVILLE
CELLEX: Cellulose exchangers—Bio-Rad Labs
CELLINEROL: Dyes, disperse—GENERAL DYESTUFF CO
CELLITAZOL: Dyes, disperse—GENERAL DYESTUFF CO
CELLITON: Dyes, disperse—GENERAL DYESTUFF CO
CELLOLUBE: Cationic softener—Tanatex Chem Corp
CELLOSIZE: Hydroxyethyl cellulose—UNION CARBIDE CORP
CELLOSOLVE: Ethylene gylcol ethers, diethers, esters—UNION CARBIDE CORP

►CELLUFLEX: Products — Celanese Corp of America, Chem Div

CELLUFLOC: Products—Puget Sound Pulp & Timber Co
CELLU-LOK: Resin-base adhesive—National Starch & Chem Corp

►CELLULUBE: Hydraulic fluids — Celanese Corp of America, Chem Div

CELLUNIER: Cellulose—Rayonier, Inc

►CELLUPHOS: Tripropyl phosphate—Celanese Corp of America, Chem Div

CELLUTAC: Adhesives—MORNINGSTAR-PAISLEY, INC
CELOGEN: Blowing agents, sponge rubber—Naugatuck Chem Div

►CEMAD: Cement additive—American Cyanamide Co, Industrial Chem Div

CEMOL: Fulling compounds—MAHER COLOR & CHEM CO
CENTIFOLIOL: Oil, rose, synthetic—Fritzsche Bros
CENTURY: Fatty acids—HARCHEM DIV, WALLACE & TIERNAN INC
CERALAN: Lanolin alcohols—Robinson Wagner Co
CERALLOY: Rare earth alloys—New Process Metals
CERANINE: Textile softeners—Sandoz, Inc
CERATAK: Waxes, laminating—BARECO WAX CO DIV
CERAWELD: Waxes, laminating—BARECO WAX CO DIV
CERES: Pigments, candle—GENERAL DYESTUFF CO
CERESAN: Seed disinfectant—E I du Pont de Nemours & Co, Grasselli Chem Dept
CERFAK: Detergents—E F Houghton & Co
CERITA: Waxes, industrial—M Argueso & Co
CEROL: Water repellent, textile—Sandoz, Inc

►CEROX: Optical polishing products—Lindsay Chem Div

CERTOX: Insecticides; Rodenticides; Wood preservers—York Chem Co
CETOL: Germicide—FINE ORGANICS
CETIOL: Wax ester—FALLEK PRODUCTS CO
CHALLENGE: Oil, neatsfoot—Reilly-Whiteman-Walton Co
CHAPCO: Products—CHAPMAN CHEM CO

►CHARG-A-CAN: Packaged refrigerants — American Potash & Chem Corp

►CHARG-A-CAR: Products—American Potash & Chem Corp

CHARKETS: Charcoal briquettes—Tennessee Products & Chem Corp
CHAROLITE: Coating, patent leather—UBS Chem Corp
CHEELOX: Sequestering agent—ANTARA CHEM DIV
CHEL: Sequestering agents—Geigy Industrial Chem Div
CHEM-BRIX: Fire brick—Illinois Clay Products Co
CHEMICIDE SERIES: Industrial fungicides—Chemo Puro Mfg Corp
CHEMIGLOV: Protective skin cream—FISHER SCIENTIFIC CO
CHEMIGUM: Butadiene-acrylonitrile rubber & latices—Goodyear Tire & Rubber Co
CHEMIRAD: Products—CHEMIRAD CORP
CHEMOCILES: Industrial fungicides, preservatives—Chemo Puro Mfg Corp
CHEM-O-SOL: Plastisols—Chemical Products Corp (RI)
CHEMOX: Antioxidants—Chemo Puro Mfg Corp
CHEMTITE: Protective coating—Maas & Waldstein Co
CHEM VAPE: Products—Chemical Insecticide Corp
CHEVRON: Naphthalene acid—ORONITE CHEM CO
CHIPCAL: Crabgrass killer—Chipman Chem Co
CHIPCOTE: Seed disinfectant—Chipman Chem Co
CHLORACEL: Products—Reheis Co
CHLORASOL: Solvent, fumigant—UNION CARBIDE CORP
CHLORDARE: Textile resin—Metro-Atlantic, Inc
CHLORDUSTO: Insecticides, farm, garden—Miller Products Co
CHLOREA: Weed killer—Chipman Chem Co
CHLORESCO: Laundry bleach—COWLES CHEM CO
CHLOREZ: Paraffin, chlorinated—Dover Chem Corp
CHLORHODIA: Anti-greasing agent—Rhodia, Inc
CHLORHYDROL: Products—Reheis Co
CHLORMATIC: Dye carrier—HEYDEN NEWPORT CHEM CORP
CHLOROBENZILATE: Products—Geigy Agricultural Chem Div
CHLOROFUME: Grain fumigant—Frontier Chem Co

►CHLOROPHEN: Technical pentachlorophenol—Reichhold Chems, Inc

CHLOROPRIME: Primer, metal, paint—Atlas Mineral Products Co
CHLOROSPRA: Insecticides, farm, garden—Miller Products Co
CHLOROTHENE: Degreasing solvent—DOW CHEM CO
CHLOROWAX: Paraffin, chlorinated—DIAMOND ALKALI CO
CHLOROX 40: Weed Killer—Chipman Chem Co
CHLOR-TERGENT: Detergents—Oakite Products
CHOCOLIN: Imitation chocolate flavor—Felton Chem Co
CHROMEKILL 4A: Chromium reducer—Enthone, Inc
CHROMICOAT: Coatings, corrosion control—Oakite Products
CHROMINDIGEN: Dyes, direct—GENERAL DYESTUFF CO
CHROMOGENE: Dyes, acid—GENERAL DYESTUFF CO
CHROMOL: Fat liquors—DIAMOND ALKALI CO

►CHROMOLAN: Acid dyes, metallized — Allied Chem Corp, National Aniline Div

CHROMOXANE: Dyes, acid—GENERAL DYESTUFF CO

►CHROMSPUN: Yarn, cellulose acetate, staple fiber—Eastman Chem Products

CHROMTEMP: Exothermic ferrochrome—Electro Metallurgical Co
CHROPRIME: Protective coating—Maas & Waldstein Co
CICOLATE: Drier—California Ink Co
CICOSOL: Drier—California Ink Co
CIDAO: Oil, castor, oiticica—BRAZILIAN INDUSTRIAL OILS
CIFON: Emulsified o-Dichlorobenzene—FINE ORGANICS

►CIRCO: Rubber softeners, plasticizers—Sun Oil Co

►CIRCOSOL: Rubber softeners, plasticizers—Sun Oil Co

CIRKAL: Detergent—DIAMOND ALKALI CO
CIS-4: Cis-polybutadiene—PHILLIPS PETROLEUM CO, SPECIAL PRODUCTS DIV
CITROFLEX: Acid esters, citric—CHAS PFIZER & CO
CITROSPEED: Cleaner—DIAMOND ALKALI CO
CITROSYNTH: Products—FLORASYNTH LABS
CITROVIOL: Aromatic specialty chemical—DOW CHEM CO
CLARASE: Amylase enzyme—Takamine Lab
CLARITE: Stabilizer, vinyl—NATIONAL LEAD CO
CLARO: Starches—CORN PRODUCTS CO
CLEANITE: Cleaner, dry—Chemical Specialties Co
CLEARATE: Lecithin, food emulsifiers—W A CLEARY CORP
CLEARJEL: Starch, food—National Starch & Chem Corp
CLEAR-SELE: Coating, clear, waterproofing—Rust-Oleum Corp
CLEARSIZE: Starch, laundry—National Starch & Chem Corp
CLEARSTRIP: Adhesives—National Starch & Chem Corp
CLEARTEX: Starch, laundry—National Starch & Chem Corp
CLEENO: Cleaners, floor—Fuld Bros
CLENESCO: Dairy cleaners—COWLES CHEM CO
CLINCO: Corn starch—Clinton Corn Processing Co
CLINTAN: Corn sugar, liquid tanners'—Clinton Corn Processing Co
CLINTOSE: Dextrose—Clinton Corn Processing Co
CLIPFAS 82-25: Insulation adhesive—Benj Foster Co
CLIPPER CLEANER: Cleaners—DIAMOND ALKALI CO
CLORANGE: Products—FLORASYNTH LABS
CLOREZE: Bleach—PENNSALT CHEM CORP
CLOR-TABS: Products—PENNSALT CHEM CORP
CLOUDINOL N: Products—FLORASYNTH LABS
COACETATEBLAK: Dispersion—COLUMBIAN CARBON CO
COALITE: Explosives—Atlas Powder Co, Explosives Div
COBLAC: Dispersion—COLUMBIAN CARBON CO
COBLAX: Oil, black—ESSO STANDARD OIL CO
COCOA VAN: Chocolate vanilla flavoring, powdered—Dodge & Olcott
CODUR: Protective coating—Maas & Waldstein Co
COETHLOBLAK: Dispersion—COLUMBIAN CARBON CO
COLD FRONT: Fumigant—DIAMOND ALKALI CO
COLD-PRO: Bleached shellac—ACME SHELLAC PRODUCTS CO
COLESCO: Laundry detergent—COWLES CHEM CO
COL FLO: Starch, food—National Starch & Chem Corp
COLGATE: Soaps—Colgate-Palmolive Co
COLITE: Lubricant, mold—Beacon Chem Industries
COLLARGOL: Silver, colloidal—HEYDEN NEWPORT CHEM CORP
COLLOCARB: Carbon black—J M HUBER CORP
COLLOIDEX: Citrus flavors, water soluble—Dodge & Olcott
COLLORESINE: Sodium carboxymethyl cellulose—ANTARA CHEM DIV
COLL-O-SOL: Glue—Swift & Co, Adhesive Products Dept
COLOIDEX: Carbon black—COLUMBIAN CARBON CO
COLONEL DRAKE: Lubricating oils—Pennsylvania Refining Co
COLOROMES: Para block perfume, color—Felton Chem Co
COLOR-SET: Chemicals, agricultural—DOW CHEM CO
COLORTREND: Dispersions—California Ink Co
COLUMBIA: Activated carbon—NATIONAL CARBON CO
COLUMBIA: Activated carbon adsorbents—Union Carbide Olefins Corp
COMFORT ME: Perfume base—FLORASYNTH LABS
COMP: Cleaners, floor—Ful Bros
COMPO-BOND: Acid proof cement—Ceilcote Co
COMPOUND C: Septic tank activator—Takamine Lab
CONAX: All-purpose flavors, imitation—Dodge & Olcott
CONCENTAL: Sulfated tallows—Arnold, Hoffman & Co
CONDUX: Rubber compounds, conductive—H V Hardman Co
CONNECTITE: Packing—American Felt Co

►CONOCO: Plastcizer; detergent — Continental Oil Co

CON-SAL: Sal soda concentrated—CHURCH & DWIGHT CO, INC

►CONTINENTAL: Carbon black — Witco Chem Co

►CONTINEX: Carbon black—Witco Chem Co

CONVERTASE: Enzyme, diastatic—Schwarz Labs
CONVERTIT: Invertase, confectionery—Wallerstein Co

►COOLANOL 45: Electronic equipment cooler—Monsanto Chem Co

COPEEL: Protective coating—Maas & Waldstein Co
COPLAST: Protective coating—Maas & Waldstein Co

►COP-O-ZINK: Foliage fungicide—Tennessee Corp

COPPRALYTE: Products—E I du Pont de Nemours & Co, Electrochem Dept
COPRENE: Protective coating—Maas & Waldstein Co
CORAVOL: Steam system treatment—Western Chem Co
CORAY: Oil, lubricating—ESSO STANDARD OIL CO

►CORCIMENT: Core oil—Reichhold Chems, Inc

CORDENIER: Cellulose, wood—Rayonier, Inc

►CO-RELEES: Sand conditioner—Reichhold Chems, Inc

CORESINBLAK: Dispersions—COLUMBIAN CARBON CO
CORIAL: Finishes, leather—ANTARA CHEM DIV
CORLOK: Acidproof cements—PENNSALT CHEM CORP
CORO-GARD: Protective coatings—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
COROLINE: Acid and alkali proof lining—Calcote Co
CORONA: Oil, Ylang Ylang—Fritzsche Bros

►COROVIT: Binders, core—Reichhold Chems, Inc

CORPOLIN: Agent, plasticizing; Assistant, vat dyeing—HEYDEN NEWPORT CHEM CORP
COSMO: All-purpose flavors, imitation—Dodge & Olcott
COSMOL: Sperm oil esters—Archer-Daniels-Midland Co
COSOL: Aromatic solvent, high boiling—NEVILLE CHEM CO
COSTYRENEBLAK: Dispersion—COLUMBIAN CARBON CO
COVARNISHBLAK: Dispersion—COLUMBIAN CARBON CO
COVINYLBLAK: Dispersion—COLUMBIAN CARBON CO
COWAXBLAK: Dispersion—COLUMBIAN CARBON CO
COW-TENT: Fly repellents—McLAUGHLIN GORMLEY KING CO
CRAG: Chemicals, agricultural; Fungicides; Insect repellents—UNION CARBIDE CORP
CRATER: Sulfur, agricultural—Miller Products Co
CREAMOYL: Textiles softener, finishes—Scholler Bros
CREME GLOSS: Furniture polish—Uncle Sam Chem Co
CREST: Laundry starch—A E Staley Mfg Co
CROMEX: Chrome cleaner—Arol Chem Products
CROP RIDER: Herbicides—DIAMOND ALKALI CO
CROWN: Clays, rubber-maker—Southeastern Clay Co
CROWN: Insect powder—S B PENICK & CO
CRUISER: Lubricating oils—Pennsylvania Refining Co
CRYPTONE: Zinc sulfide—New Jersey Zinc Co
CRYSCOAT: Coatings, corrosion control—Oakite Products

►CRYSTAL: Asphalt—Allied Chem Corp, Barrett Div

CRYSTAL BASE: Soap, water soluble—DuBois Co
CRYSTAL O: Oil, castor—BAKER CASTOR OIL CO
CRYSTALETS: Crystalline Vitamin A acetate—CHAS PFIZER & CO
CRYSTALUSTRE: Protective coating—Maas & Waldstein Co
CRYSTAMET: Sodium metasilicate pentahydrate — COWLES CHEM CO

►CRYSTEX: Insoluble sulfur—Stauffer Chem Co

CUBOR: Dusts, rotenone—Chipman Chem Co
CUNILATE: Fungicide, lumber, paint, textile—Scientific Oil Compounding Co
CUNIMENE: Fungicide, textile—Scientific Oil Compounding Co
CUNIPHEN: Fungicide, textile—Scientific Oil Compounding Co
CUNIPEL: Water repellents, textile—Scientific Oil Compounding Co
Cupoline: Refractory clay—International Minerals & Chem Corp, Eastern Clay Products Dept
CUPRA: Preservatives, wood—Miller Products Co

►CUPROCIDE: Cuprous oxide plant fungicides —Rohm & Haas Co

CUPROFIX: Dyes—Sandoz, Inc
CURONA: Antioxidant-curing aid, meat—Wallerstein Co
CUT-EASE: Stick lubricant—American Grease Stick Co
CYAMITE: Blasting agent—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
CYAMON: Blasting agent—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
CYANA PERMEL, PERMEL PLUS, SUPERSET: Finishes —AMERICAN CYANAMID CO, ORGANIC CHEM DIV
CYANAMER: Acrylic polymers—AMERICAN CYANAMID CO, MKT DEV DEPT
CYANANTHROL: Dyes, acid—GENERAL DYESTUFF CO
CYANATEX: Antifoams—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
CYANEGG: Sodium cyanide—E I du Pont de Nemours & Co, Electrochem Dept
CY-AN-IN: Indium-cyanide plating bath—Indium Corp of America
CYANOBRIK: Sodium cyanide—E I du Pont de Nemours & Co, Electrochem Dept
CYANOBRITE: Mercury salt—E I du Pont de Nemours & Co, Electrochem Dept
CYANOFLAKE: Sodium cyanide—E I du Pont de Nemours & Co, Electrochem Dept
CYANOGRAN: Sodium cyanide—E I du Pont de Nemours & Co, Electrochem Dept
CYCLAMAL: Chemicals, aromatic—Verona-Pharma Chem Corp

►CYCLOCEL: Catalysts, reforming—Minerals & Chem Corp of America

CYCLONE: Leather finishing agents—B B Chem Co
CYCLOTENE: Aromatic specialty chemical—DOW CHEM CO

►CYFOR: Fortified rosin size—American Cyanamid Co, Industrial Chem Div

CYLAN: Sodium cyclamate—E I du Pont de Nemours & Co, Grasselli Chem Dept
CYLESSO: Oil, cylinder—ESSO STANDARD OIL CO
CYMEL: Molding compounds, resins—American Cyanamid Co, Plastics & Resins Div

►CYNOL: Softening, rewetting, defoaming agents—American Cyanamid Co, Industrial Chem Div

►CYPAN: Drilling mud chemicals — American Cyanamid Co, Industrial Chem Div

►CYPEL: Resin, paper—American Cyanamid Co, Industrial Chem Div

CYPER: Dyes, leather—GENERAL DYESTUFF CO
CYQUEST 40: Sequestering agents—American Cyanamid Co, Organic Chems Div

►CYRON: Chemical size—American Cyanamid Co, Industrial Chem Div

CYZAC: Surface coating resins—American Cyanamid Co, Plastics & Resins Div

D

DB: Oil, castor; Dielectric fluid—BAKER CASTOR OIL CO
DBPC: Flaked antioxidant, oils & gasoline—Koppers Co, Tar Products Div
DCM: Cleaners—Oakite Products
D-D: Soil fumigant—Shell Chem Corp

►DMP: Substituted aminomethyl phenols — Rohm & Haas Co

DN-111: Insecticide—DOW CHEM CO
DN-289: Insecticides, fungicide—DOW CHEM CO
DN-DRY MIX: Insecticide—DOW CHEM CO

►DP SOLUTION: Lacquer additives—Monsanto Chem Co

DPA: 4,4-Bis(4-hydroxyphenol) pentanoic acid—S C Johnson & Son
DPR: Rubber, natural, depolymerized—H V Hardman Co
DS-207: Stabilizers, vinyl—NATIONAL LEAD CO
DABCO: Polyurethane foam catalyst—Houdry Process Corp
DACARENE: Boiler compounds—Dacar Chem Products Co
DACAROL: Fuel oil additive—Dacar Chem Products
DACFIA: Fumigant—DIAMOND ALKALI CO
DACOLYTE: Addition agent—E I du Pont de Nemours & Co, Electrochem Dept
DACOR: Activated carbon filter—BARNEBEY-CHENEY CO
DAG DISPERSIONS: Products—Acheson Colloids Co
DAIR: Detergent, dairy—DuBois Co
DAIRYCHECK: Chemicals, milk—Techniservice
DAIRYSEAL: Dairy waxes—Sun Oil Co
DALAMAR: Azo yellow—E I du Pont de Nemours, Pigments Dept
DAMPFOIL: Paints, damp-resisting—Inertol Co
DANDA: Vitamin concentrate, A, D—General Mills, Special Commodities Div
DANTOIN: Dichlorodimethyl hydantoin—GLYCO CHEMS

►DAPON RESIN; M: Resins, bonding, casting —Food Machy & Chem Corp, Chems & Plastics Div

DARCO: Carbon, activated—ATLAS POWDER CO, CHEMS DIV
DAREX: Products—Dewey & Almy Chem Div
DARI-VIM: Products—VITAMINS, INC
DARSIL: Oxidizing agent—E I du Pont de Nemours & Co, Electrochem Dept
DARSOL: Solvents—Dacar Chem Products

►DAV-AD: Antioxidant—Davison Chem Div

DAVENITE: Water ground mica—Hayden Mica Co
DAXAD: Products—Dewey & Almy Chem Co Div
DAXCEL: Adhesives; Coatings—Dacar Chem Products Co
D-CARB: Strippers, paint—DuBois Co
DE-ACIDITE: Resins, ion exchange—Permutit Co
DE-AIREX: Defoamers—E F Houghton & Co
DEAD EASY: Insecticide—S B PENICK & CO
DECALSO: Sodium alumino-silicate gel—Permutit Co
DECERESOL: Penetrants, wetting agents—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
DECROLINE: Zinc sulfoxylate formaldehyde—ANTARA CHEM DIV
DEDORITE: Activated carbon—Barnebey-Cheney Co
DEENATE: Insecticide—E I du Pont de Nemours & Co, Grasselli Chem Dept

►DEENAX: Anti-oxidants—Enjay Co

DEE O: Food antioxidant—Takamine Lab
DEFLOC: Laundry detergent—COWLES CHEM CO
DEFLUOROFOS: Phosphate, defluorinated — INTERNATIONAL MINERAL & CHEM CORP, PHOSPHATE CHEM DIV
DEFOAMER ED: Antifoaming compounds—Foremost Food & Chem Co
DELAN: Absorption base—Lanaetex Products, Inc
DE-OL-ATE: Defoliants—PENNSALT CHEM CORP
DEGELL: Viscosity reducer—Beacon Chem Industries
DEHYDROL: Oil, castor, dehydrated—SHERWIN-WILLIAMS CO
DELAC: Accelerator, rubber—Naugatuck Chem Div
DELACTOL: Vitamin D_3—Douglas Chem Corp
DEALMATE: Amine Salts—HERCULES POWDER CO
DELAMIN: Amines—HERCULES POWDER CO
DELCHEM: Products—PENNSALT CHEM CORP
DELEX: Dielectric fluids—Deecy Products Co
DE-LIQUID: Products—VITAMINS, INC
DELOZIN: Zinc electroplating compound—DIAMOND ALKALI CO
DELRIN: Acetal resin—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
DELSAN: Seed protectant—E I du Pont de Nemours & Co, Grasselli Chem Dept
DELTAXIN: Vitamin D_2 Calciferol—Sterwin Chems, Inc
DELTYL: Isopropyl myristate—GIVAUDAN
DENSEPAK: Carbon black—J M HUBER CORP
DENSITOL: Sesame oil, brominated—Abbott Labs
DEO-BASE: Petrolatum—L SONNEBORN SONS
DEOCIDE: Aerosol sanitizer—Uncle Sam Chem Co
DEODALL: Deodorant-reodorant—SINDAR CORP
DEOLEATED: Almond meal—S B PENICK & CO
DEOXIDINE: Prdoucts—Amchem Products, Inc
DEOXY-SOL: Oxygen scavenger—Fairmount Chem Co
DEPENDON: Bottle wash—Britex Corp
DEPILIN: Dehairing agents—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
DERACLOUD: Insecticides, agricultural, mineral—S B PENICK & CO
DERAMIST: Insecticides, agricultural, animal—S B PENICK & CO

►DERIPHAT: Amino acid derivatives—General Mills, Chem Div

DERMALIGHT: Dyes, leather—Sandoz, Inc
DERMOFIX: Leather fixing agent—Fiber Chem Corp
DERMOLIQUOR: Fat liquors—Fiber Chem Corp
DERMOPLAST: Plasticizer—Fiber Chem Corp
DERRITOX: Powder, shampoo, animal—S B PENICK & CO
DESICCITE: Products—Filtrol Corp
DESMER: Mercerizing assistant—JACQUES WOLF & CO
DESOIL: Laundry detergent—COWLES CHEM CO
DETAMIDE: Diethyltoluamide—COWLES CHEM CO

►DETERGENT MXP: Synthetic detergents, nonionic built—Monsanto Chem Co

DETECT-A-LEAK: Leak-detecting fluid, pressure pipe lines—Flamort Chem Co
DETHDIET: Rat poison—S B PENICK & CO
DETHMOR: Rodenticides—S B PENICK & CO
DE-TOX: Products—Barton Chem Co
DEVIL: Sulfur—OLIN MATHIESON CHEM CORP
DEVOLKOLD: Cod liver oils, veterinary—CHAS L HUISKING & CO
DEWSET: Heat dried printing ink—Fred'k H Levey Co
DIABESTOS: Diatomite filter aids—Great Lakes Carbon Co, Dicalite Dept.

►DIAM: Diamines—General Mills, Chem Div

DIAMID: Cleaner—DIAMOND ALKALI CO
DIAMOND: Products—DIAMOND ALKALI CO, ORGANIC CHEM DIV
DIAMOND A; P: Leather finishing products—Borne Chem Co
DIANIL: Dyes, direct—GENERAL DYESTUFF CO
DI-AQUA: Surface-active agent—DIAMOND ALKALI CO

►DIARON: Adhesives, powdered melamine — Reichhold Chems, Inc

DIASTAFOR: Desizing agent—STANDARD BRANDS, INC
DIASTAZYME: Diastase—JACQUES WOLF & CO

►DIATOL: Solvents, diethylcarbonate—U S Industrial Chem Co Div

DIAZALD: Methylnitrotoluenesulfonamide for preparation of diazomethane—ALDRICH CHEM CO
DIAZANIL: Dyes, direct—GENERAL DYESTUFF CO

►DIAZINE: Developed dyes—Allied Chem Corp, National Aniline Div

DIAZINON: Products—Geigy Agricultural Chem Div
DIAZOPON: Dispersing agents, textile—ANTARA CHEM DIV
DIAZYME: Amylo glucosidase—Takamine Lab
DIBESTROL: Diethylstilbestrol—Sterol Derivatives
DIBS: Accelerator—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
DICA: Pickling agent—DuBois Co
DICALITE: Products—Great Lakes Carbon Corp, Mining & Mineral Products Div
DICHLORAN: Germicide—FINE ORGANICS
DICOLUBE: Liquid chain lubricant, conveyor systems—Diversey Corp
DIELDREC: Dieldrin, emulsifiable—CHAPMAN CHEM CO
DIELDRON: Insecticides, farm, garden—Miller Products Co
DIHALO: N-Chloro-N-bromo-5,5-dimethyl hydantoin — Bromine Producers Co
DIHYDRO VANILLOIN: Products—FLORASYNTH LABS
DIKAL: Dibasic calcium phosphate—SMITH-DOUGLASS CO

►DILAN: Insecticide—Commercial Solvents Corp

DILEINE: Gas fading inhibitors—JACQUES WOLF & CO
DILUEX, A: Clays, filler, fertilizer, insecticidal dusting, carriers & diluents—Floridin Co
DIMENSO: Enamels, industrial—SHERWIN-WILLIAMS CO
DION: Resins; Hardeners—Chemical Process Co

►DIONIN: Ethylmorphine hydrochloride — Merck Chem Div

DIPAC: Rubber accelerators—PENNSALT CHEM CORP
DIPENTEK: Dipentaerythritol, technical—HEYDEN NEWPORT CHEM CORP
DIPHENOLIC ACID: 4,4-Bis(4-hydroxyphenyl) pentanoic acid—S C Johnson & Son
DIPOFF: Detergent compound—Britex Corp
DISCOLITE: Sodium solfoxylate formaldehyde—Royce Chem Co
DISPERSITE: Dispersions, elastomers—Naugatuck Chem Div
DISPERSALL: Textile dispersing agent—Royce Chem Co

►DISPERSO: Soaps, metallic—Witco Chem Co
DISSOLVO: Tar & road oil remover—E I du Pont de Nemours & Co, Finishes Div
DISTAL: Tallow fatty acids, distilled—Archer-Daniels-Midland Co
DISTOLINE: Vegetable oleic acid—Woburn Chem Corp

►DITHANE: Synthetic organic plant fungicide—Rohm & Haas Co
DIVERSIDE: Insecticide, liquid, odorless—Diversey Corp
DIVERSOL CX: Disinfectants & bactericide—Diversey Corp
DIXIE: Carbon black—UNITED CARBON CO
DIXIE BOND: Pentonite—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
DIXIE DENSED: Channel carbon black—UNITED CARBON CO
DIXIE STIK: Adhesives, solvent evaporation—NATIONAL ROSIN OIL PRODUCTS

►DIXOL: Nitrogen solutions—Commercial Solvents Corp
D-LITE: Dishwashing products, hand—DuBois Co
DOE RUN: Lead—St Joseph Lead Co
DOGEN: True fruit flavors—Dodge & Olcott
DOLCO: Imitation flavors, concentrated—Dodge & Olcott
DOLCOTT: Flavors, aroma bases—Dodge & Olcott
DOLCOTONE: Coumarin substitute—Dodge & Olcott
DOLOXIDE: Dolomitic burned lime—Moores Lime Co
DONUT PYRO: Sodium pyro, acid—Victor Chem Works
DOOR-EASE: Stainless stick lubricant—American Grease Stick Co
DORLONE: Soil fumigant—DOW CHEM CO
DORMO: Oils, emulsifiable—Miller Products Co
DORTAN: Oil, metal cutting—ESSO STANDARD OIL CO
DOSIX: Fruit flavors, reinforced—Dodge & Olcott
DOUBLE-DUTY: Sours, laundry—DIAMOND ALKALI CO
DOWANOL: Glycol ethers—DOW CHEM CO
DOW CORNING: Silicones—DOW CORNING CORP
DOWEX: Resins, synthetic, ion-exchange—DOW CHEM CO
DOWFAX: Surface active agent—DOW CHEM CO
DOWFLAKE: Calcium chloride flake—DOW CHEM CO
DOWFROTH: Froth flotation agents—DOW CHEM CO
DOWFUME: Fumigants—DOW CHEM CO
DOWICIDE: Preservatives, industrial—DOW CHEM CO
DOWMETAL: Magnesium alloys—DOW CHEM CO
DOWPAC: Thermoplastic tower packing—DOW CHEM CO
DOW-PER: Dry cleaning fluid—DOW CHEM CO
DOWPON: Weed killer—DOW CHEM CO
DOWTHERM: Heat transfer media—DOW CHEM CO
DRAKEOL: Oil, mineral—Pennsylvania Refining Co
DRAPEX: Plasticizers—ARGUS CHEM CORP
DREADNAUGHT: Cleaners—DIAMOND ALKALI CO
DRENCH: Nonionic surface-active agents—MAHER COLOR & CHEM CO

►DREX 4, 12, 16: Vitamin concentrates—Nopco Chem Co

►DRI-DIE: Insecticide—Davison Chem Div
DRIERITE: Desiccants—W A Hammond Drierite Co
DRI-FILM: Water repellents—GENERAL ELEC CO, SILICONE PRODUCTS
DRI-IT: Drying agent—DuBois Co
DRI NON WARP: Adhesives—National Starch Products

►DRIOCEL: Desiccants—Minerals & Chem Corp of America

►DRI-PAK: Desiccant—Davison Chem Co Div
DRISUDZ: Laundry detergent—COWLES CHEM CO
DRI-TRI: Trisodium phosphate, anhydrous—A R Maas Chem Co Div
DRYALL: Driers, paint & varnish—Chase Chem Corp
DRYCID: Powered acid descalant—Oakite Products
DRYCON: Sizing agent, drycleaning—Wallerstein Co
DRY-FLO: Starch, free-flowing—National Starch & Chem Co
DRYMET: Sodium metasilicate, anhydrous—COWLES CHEM CO
DRYOLENE: Solvents, lacquer—Anderson-Pritchard Oil Corp
DRYON: Water repellents, textile—Crown Chem Corp
DRYORTH: Sodium orthosilicate, anhydrous—COWLES CHEM CO
DRY SUGAR ACID: Calcium phosphate—VICTOR CHEM WORKS
DU BARS: Soap base—DuBois Co
DUART: Protective coating—Maas & Waldstein Co
DUBAR: Bar soap—DuBois Co
DUCLEAN: Acids—E I du Pont de Nemours & Co, Grasselli Chem Dept
DUCO: Cement—E I du Pont de Nemours & Co, Finishes Div
DUCO: Paints—E I du Pont de Nemours & Co, Finishes Div
DUCT-FAS WHITE 81-91: Insulation adhesives—Benj Foster Co
DU-FOME: Detergent, synthetic—DuBois Co
DU-JET: Cleaner, liquid heavy-duty—DuBois Co
DUKES A-1: Pastes—A Adler & Son
DULAC: Protective coating—Maas & Waldstein Co
DULUX: Finishes—E I du Pont de Nemours & Co, Finishes Div
DUO-KOTE: Lubricants, metal working—Reilly-Whiteman-Walton Co
DUOL: Products—E I du Pont de Nemours & Co, Pigments Dept
DUOLITE: Resins, ion-exchange—Chemical Process Co

►DUOMEENS: Diamines—Armour Industrial Chem Co
DURA BEAU: Finishes, textile—Scholler Bros
DURA-BOND: Starches, paper—National Starch & Chem Corp
DURACEL: Protective coating—Maas & Waldstein Co
DURACHEM: Protective coating—Maas & Waldstein Co
DURACOR: Reinforced plastic equipment—Cellcote Co
DURAD: Protective coating—Maas & Waldstein Co
DURA KOTE: Cleaner—DuBois Co
DURALENE: Leather finishing agents—B B Chem Co
DURA LOOB: Rubber dispersing agent—DuBois Co
DURAMUL: Protective coating—Maas & Waldstein Co
DURAPEL: Carbon black—J M HUBER CORP

►DURAPLEX: Alkyd resins, enamels — Rohm & Haas Co
DURASET: Fruit set compound—Naugatuck Chem Div
DURATHENE: Polyethylene film—Koppers Co, Durathene Plant
DUREZ: Products—Durex Plastics Div
DURIDINE: Products—Amchem, Inc

►DURITE: Phenol-formaldehyde resins—Borden Chem Co
DURMONT: Waxes, montan—DURA COMMODITIES CORP
DUROBRITE: Addition agent—E I du Pont de Nemours & Co, Electrochem Dept
DUROFIX: Fixative, perfumes—Fritzsche Bros
DUROFLEX: Plasticizers—Specialty Resins Co

►DUROL: Acid dyes, black—Allied Chem Corp, National Aniline Div
DUROPOL: Unsaturated polyesters—Special Resins Co
DUROSYN: Resins, alkyd, synthetic—Specialty Resins Co
DUROVAC: Resins, polyvinyl acetate, emulsion—Specialty Resins Co
DUROXON: Waxes, Fischer-Tropsch—DURA COMMODITIES CORP

►DURPON: Lubricants, metal working—Nopco Chem Co
DURTEMP: Protective coating—Maas & Waldstein Co
DURVIN: Protective coating—Maas & Waldstein Co
DUSTMASTER: Calcium-magnesium chloride—MICHIGAN CHEM CORP
DUSTRYPP: Cleaner—DuBois Co
DUTCH BOY: Plastics materials—NATIONAL LEAD CO
DUVAL: Oils, essential—S B PENICK & CO
DUXSEAL: Insulating compounds, electrical—JOHNS-MANVILLE
DUZITALL: Deodorant, cleaner, sanitizer, disinfectant—Uncle Sam Chem Co
DUZ-KLEEN: Liquid detergent—Uncle Sam Chem Co
DYAL: Alkyd resins, varnishes—SHERWIN-WILLIAMS CO
DYBAR: Weed killer—E I du Pont de Nemours & Co, Grasselli Chems Dept
DYBOND: Textile printing ink—Fred'k H Levey Co
DYKAST: Protective coating—Maas & Waldstein Co
DYKON: Sodium diacetate—STEIN, HALL & CO
DYLAN: Polyethylene—Koppers Co, Tar Products Div
DYLENE: Polystyrene—Koppers Co, Tar Products Div
DYLEX: Latices—Koppers Co, Tar Products Div
DYLITE: Expandable polystyrene—Koppers Co, Tar Products Div
DYMAL: Maleic resins, varnishes—SHERWIN-WILLIAMS CO
DYMULSIFIER: Dispersing agents, textile—MAHER COLOR & CHEM CO
DYNACIDE: Herbicides—Stieh Chem
DYANFOS: Calcium phosphate, dibasic—INTERNATIONAL MINERAL & CHEM CORP, PHOSPHATE CHEM DIV
DYNA SPREX: Cleaner—DuBois Co
DYPHENE: Phenolic resins, varnishes—SHERWIN-WILLIAMS CO
DYPHENITE: Phenolic resins, varnishes—SHERWIN-WILLIAMS CO
DYPHOS: Stabilizer, vinyl—NATIONAL LEAD CO
DYPOL: Polyester resins—SHERWIN-WILLIAMS CO
DYTHAL: Stabilizer, vinyl—NATIONAL LEAD CO

►DYTOL: Alcohols, natural oil—Rohm & Haas Co

►DYTROL: Paint brush preserver—Monsanto Chem Co

E

E-Z LITH: Ink—California Ink Co
E-Z PATCH: Asphalt emulsion—Sullivan Co
E-Z STRIP 19A: Paint strippers—PENNSALT CHEM CORP
E-Z-TINT: Dispersions—California Ink Co
EAGLE: Corn starch, pearl—CORN PRODUCTS CO
EAGLE DESSICANT 852: Dehydrating agents—Eagle Chem Co
EAGLE, GERMANTOWN: Lampblack—COLUMBIAN CARBON CO
EAGLE SILICA GEL: Dehydrating agents—Eagle Chem Co

►EASTMAN: Dyes, cellulose esters—Eastman Chem Products

►EASTOFIX: Acetate dyes—Eastman Chem Products

►EASTONE: Dyes, dischargeable acetate—Eastman Chem Products

►EASTOZONE: Rubber antiozonants—Eastman Chem Products
EASYBRITE: Detergents—Britex Corp
EBLIS: Oils, cutting—W A Wood Co
EBONOL: Metal blackening salts—Enthone, Inc
ECO: Protective coating—Maas & Waldstein Co
ECODUR: Protective coating—Maas & Waldstein Co
ECLIPSE: Textile starches—A E Staley Mfg Co
ECO-LAC: Protective coating—Maas & Waldstein Co
ECONOBASE: Chain lubricant—DuBois Co
ECONOMY: Dry animal glue—Swift & Co, Adhesive Products Dept
ECONO-SOUR: Sours, laundry—DIAMOND ALKALI CO
ECO SPAR: Protective coating—Maas & Waldstein Co
ECO VAR: Protective coating—Maas & Waldstein Co
EDAMIN: Protein hydrolysate—SHEFFIELD CHEM DIV
EDIFAS A: Methyl ethyl cellulose—CHEMICAL MFG CO
EDI-GEL: Wheat starch product—General Mills, Special Commodities Div
EDSOY: Soy bean oil—A E Staley Mfg Co
EFF-BEE: Flavors—Fritzsche Bros

►EGGOL: White mineral oil—Continental Oil Co
EIDERDOWN: Soap, powdered—S B PENICK & CO
EKALINE: Wetting agents—Sandoz, Inc
EKOMO: Flavors—Fritzsche Bros
ELAN TIBET: Perfume base—FLORASYNTH LABS
ELASTICOTE: Products—Tropical Paint Co

►ELASTIGUM: Waterproof cement & coating, corrosion-resistant—Allied Chem Corp, Barrett Div
ELCIDE 75TM: Bacterial inhibitor for cutting fluids—Eli Lilly & Co
ELDEFOAM: Latex defoamer—Foremost Food & Chem Co
ELDHYCO: Fatty acid mixtures—Foremost Food & Chem Co
ELDO: Acids; Fatty acid esters—Foremost Food & Chem Co
ELDOPLAST: Plasticizer—Foremost Food & Chem Co

►ELECTRO-MATIC: Softeners, water — Permutit Co
ELEKTRO-PURJ-IT: Solvent, metal degreasing—Diversey Corp
ELF: Carbon black, channel—GODFREY L CABOT
ELFTEX: Carbon black, oil furnace—GODFREY L CABOT
ELPRENE: Paint products—Atlas Mineral Products Co

►EL SIXTY: Rubber accelerator — Monsanto Chem Co
ELVACET: Polyvinyl acetate—E I du Pont de Nemours & Co, Electrochem Dept
ELVANOL: Polyvinyl alcohol—E I du Pont de Nemours & Co, Electrochem Dept
EMBOSET: Textile resins—Metro-Atlantic, Inc
EMERSOFT: Textile softeners—EMERY INDUSTRIES
EMERSOL: Acids, stearic, oleic—EMERY INDUSTRIES
EMEROX: Azelaic acid—EMERY INDUSTRIES
EMFAC: Acids, pelargonic, capric, caprylic—EMERY INDUSTRIES
EMOLEIN: Lubricants, synthetic—EMERY INDUSTRIES
EMPOL: Acids, polymerized—EMERY INDUSTRIES
EMRALON: Resin-bonded tetrafluoroethylene—Acheson Colloids Co
EMTALL: Fatty acids, tall oil—EMERY INDUSTRIES
EMULPHOGENE: Surface active agents, nonionic—ANTARA CHEM DIV
EMULPHOR: Surface active agents, nonionic—ANTARA CHEM DIV
EMULSARIN: Emulsions, composition—S B PENICK & CO
EMULSIVE: Paint driers—WITCO CHEM CO
EMULSOL: Fat liquors—DIAMOND ALKALI CO
ENAMELOID: Enamels, household—SHERWIN-WILLIAMS CO
ENBOND: Metal cleaner—Enthone, Inc

►ENDITROL: Ion-exchange endpoint indicator—Permutit Co
ENDRON: Insecticides, farm, garden—Miller Products Co
ENDURO: Dry animal glue—Swift & Co, Adhesive Products Dept

►ENJAY: Products—Enjay Co

►ENJAY BUTYL: Rubber, synthetic—Enjay Co
ENNJAY: Asphalts—ESSO STANDARD OIL CO
ENSTRIPS: Plated coating stripper—Enthone, Inc
ENTHOCOLOR: Metal oxidizer and colorer—Enthone, Inc
ENTHOL: Metal cleaner of oils, oxides—Enthone, Inc
ENTHONICS: Research service—Enthone, Inc
ENTHONITE: Polyvinyl metal coating—Enthone, Inc
ENTHOX: Chromate coater—Enthone, Inc
ENTRAPPED: Powdered flavors—FLORASYNTH LABS
EPIBOND: Adhesives, epoxy—Furane Plastics
EPIC: Grease, lubricant—ESSO STANDARD OIL CO
EPIDOL: Oils, sulfonated—Fiber Chem Corp

►EPIPHEN: Epoxy resins—Borden Chem Co
EPI-REZ: Epoxy resins—Jones-Dabney Co
EPI-TEX: Epoxy resins—Jones-Dabney Co
EPI-VAR: Epoxy resins—Jones-Dabney Co
EPOCAP: Epoxy compounds—H V Hardman Co
EPOCAST: Plastics, epoxy—Furane Plastics

EPOFILM: Epoxy coatings—Furane Plastics

►EPOLENE: Polyethylene products — Eastman Chem Products

EPON: Resins—Shell Chem Corp
EPOSET: Epoxy brush setting compounds—H V Hardman Co

►EPOTUF: Epoxy resins — Reichhold Chems, Inc

EPOXYLITE: Electrical potting & encapsulating compounds—Epoxylite Corp

►ERIE: Dyes, direct—Allied Chem Corp, National Aniline Div

►ERIEFORM: Dyes, formaldehyde after-treatment—Allied Chem Corp, National Aniline Div

ERIELASTIC: Products—Tropical Paint Co

►ERTRANE: Air-entraining agent, cement — Nopco Chem Co

ERUSTO SALTS REGULAR: Sours, laundry—PENNSALT CHEM CORP
ERUSTO SALTS SPECIAL: Sours, laundry—PENNSALT CHEM CORP
ERUSTOCIDE: Sours, laundry—PENNSALT CHEM CORP
ERUSTOLIN A; B: Sours, laundry—PENNSALT CHEM CORP
ERUSTOMAX: Sours, laundry—PENNSALT CHEM CORP
ERUSTO-RAY B; C: Sours, laundry—PENNSALT CHEM CORP
ERUSTOSOL: Sours, laundry—PENNSALT CHEM CORP
ERVOL: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
ERWIN: Air ground mica—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
ESCAMBIA PVC PEARLS, 1000 & 2000 SERIES: Resins, polyvinyl chloride—Escambia Chem Corp
ESCO: Soap builder—COWLES CHEM CO
ESCOFOS: Soap regenerator—COWLES CHEM CO
ESCOL: Soap builder—COWLES CHEM CO
ESCOLIN: Soap builder—COWLES CHEM CO
ESCOLITE: Soap builder—COWLES CHEM CO
ESCOLLOID: Soap builder—COWLES CHEM CO
ESCOMET: Soap builder—COWLES CHEM CO
ESCOMO: Laundry blue—COWLES CHEM CO
ESCO SAVON: Built soap—COWLES CHEM CO
ESCOUR: Scouring powder—COWLES CHEM CO
ESKIMO: Antifreeze—Thompson Chem Co

►ES-MIN-EL: Horticultural chemical — Tennessee Corp

ESSAR: Products—Fred'k A Stresen-Reuter
ESSEX: Carbon black—J M HUBER CORP
ESSO: Products—ESSO STANDARD OIL CO
ESOTANE: Gas, liquefied, petroleum—ESSO STANDARD OIL CO
ESSTIC: Oil, lubricating—ESSO STANDARD OIL CO
ESTERGENY: Surface active agent—MAHER COLOR & CHEM CO
ESTERON: Weed killers—DOW CHEM CO
ESTERSULF: Emulsifiers—MAHER COLOR & CHEM CO

►ESTONATE: Dichlorodiphenyl trichloroethane —American Potash & Chem Corp

►ESTONMITE: Residual ovicide — American Potash & Chem Corp

►ESTONOX: Toxaphene—American Potash & Chem Corp

►ESTREL: Synthetic acetate fiber and yarn—Eastman Chem Products

►ESTROBOND: Thermoplastic treating material—Eastman Chem Products

►ESTRON: Yarn, cellulose acetate, staple fiber—Eastman Chem Products

ESTYNOX: Plasticizers, epoxy—BAKER CASTOR OIL CO
ETCHALUME: Cleaner, etchant—Enthone, Inc
ETCH-O-GRAPH: Ferric chloride solution—PHILIP A HUNT CO

►ETERNIUM: Paint, acid-alkali-corrosion resistant—Allied Chem Corp Barrett Div & Plastics & Coal Chems Div

►ETHAVAN: Flavoring, aromatic agent—Monsanto Chem Co

ETHOCEL: Ethyl cellulose—DOW CHEM CO

►ETHO DUOMEENS: Diamine-type cationic surfactants—Armour Industrial Chem Co

►ETHOFATS: Ester-type non-ionic surfactants —Armour Industrial Chem Co

►ETHOMEENS: Ethoxylated amines—Armour Industrial Chem Co

►ETHOMIDS: Ethoxylated amides—Armour Industrial Chem Co

►ETHOQUADS: Polyethoxylated quaternary ammonium compounds—Armour Industrial Chem Co

ETHOXANOL: Emulsifiers—MAHER COLOR & CHEM CO
ETHOXYLAN: Lanolin, soluble water & alcohol—N I Malmstrom & Co
ETHYCOL: Pigment dispersions—C J Osborn Co
ETHYL: Products—ETHYL CORP
ETHLAC: 2-Benzothiazyl-N,N-diethylthio carbamyl sulfide; Rubber activators & accelerators—PENNSALT CHEM CORP
ETHYCOL: Pigment dispersions—C J Osborn Co
ETHYLAN: Alcohol- & oil-soluble lanolin—Robinson Wagner Co
EUKANOL: Finishes, leather—ANTARA CHEM DIV
EULAN: Finishes, textile—ANTARA CHEM DIV
EULAVA: Finishes, textile—ANTARA CHEM DIV
EULYSINE: Finishes, textile—ANTARA CHEM DIV
EUMERCIN: Mercerizing assistants—Warwick Chem Co Div
EUNAPHTHOL: Dispersing agents, textile—ANTARA CHEM DIV
EUREKA: Soldering flux—E I du Pont de Nemours & Co, Grasselli Chem Dept
EUREKA OIL: Perfume base—FLORASYNTH LABS
EUTANOL: Fatty alcohols—FALLEX PRODUCTS CO

►EVANACID 3CS: Carboxymethylmercaptosuccinic acid—Evans Chemetics

EVENIZED: Cascara bark—S B PENICK & CO
EVERGREEN: Garden spray—McLaughlin Gormley King Co
EVERHOLD: Dry animal glue—Swift & Co, Adhesive Products Dept

►EVERJET: Paint, acid-alkali-corrosion resistant—Allied Chem Corp, Barrett Div & Plastics & Coal Chems Div

EVER-TACK: Liquid glue—Swift & Co, Adhesive Products Co
EVERTUFF: Floor finish—Uncle Sam Chem Co
EXALGAE: Algaecide—Inertol Co
EXCELLO: Dextrin—CORN PRODUCTS CO
EXCELSIOR: Carbon black—COLUMBIAN CARBON CO
EXLO: Extra low carbon ferro-chromium—Vanadium Corp of America
EXOLVENT: Paint thinner—SHERWIN-WILLIAMS CO
EXON: PVC resins, copolymers, latexes—Firestone Plastics Co

►EX-O-WAX: Dewaxing agent, paper—Nopco Chem Co

EX-RUST: Concentrated rust remover—Kano Labs
E-Z-GO: Hand cleaner—Amaza Labs

F

525 DRIHIDE: Paint mfrs' clay—SMITH CHEM & COLOR CO
4200: Diatomite filteraids—Great Lakes Carbon Corp, Dicalite Dept
4884: Sodium chloride—Diamond Crystal Salt Co

►F-11, F-12, F-13, F-13B1, F-22, F-113, F-114: Fire extinguishing agents; refrigerants; propellants—E I du Pont de Nemours & Co, "Freon" Products Div

►FA: Furfuryl alcohol—Quaker Oats Co

F&B: Packaged fertilizers, insecticides, fungicides, weed killers—FAESY & BESTHOFF
FC PICKLE SALT: Tanning auxiliary—Fiber Chem Corp
FR 28: Flameproofing compound—UNITED STATES BORAX & CHEM CORP
FRS: Butadiene, styrene copolymers—Firestone Synthetic Rubber & Latex Co
F-T: Waxes, Fischer-Tropsch—DURA COMMODITIES CORP
FAB: Detergents—Colgate-Palmolive Co

►FABREZ: Textile resins—Reichhold Chems, Inc

FABRIPEL: Water repellents, textile—Fabric Chem Co
FACTOLAC: Emulsifier—S B PENICK & CO
FALCO: Dyestuffs—FALLEX PRODUCTS CO
FALCONAL: Wetting agents—FALLEK PRODUCTS CO
FALCONOL: Wetting agents—FALLEK PRODUCTS CO
FALCOPON: Detergents—FALLEK PRODUCTS CO
FALCOSEPT: Disinfectants—FALLEK PRODUCTS CO
FALCOSYL: Bacteriostat—FALLEK PRODUCTS CO
FANAL: Colors, ink—GENERAL DYESTUFF CO
FANOX: Oil, metal cutting—ESSO STANDARD OIL CO
FANSTEEL: Products—Fansteel Metallurgical Corp
FARMEX: Explosives—Atlas Powder Co, Explosives Div
FAST BOND: Dyes, paper—GENERAL DYESTUFF CO
FASTUSOL: Dyes, direct—GENERAL DYESTUFF CO
FAXAM: Oil, process—ESSO STANDARD OIL CO
FEBIS: Oil, form—ESSO STANDARD OIL CO
FELCAFE: Imitation coffee flavor—Felton Chem Co
FELCOBUR: Imitation butter flavor—Felton Chem Co
FELCOFIX: Spray-dried flavors—Felton Chem Co
FELTAN: Microporous rubber—American Felt Co
FENCE RIDER: Herbicides—DIAMOND ALKALI CO
FENSO: Oil, quenching—ESSO STANDARD OIL CO
FERBERK: Ferbam fungicide—F W Berk & Co
FERMATE: Ferbam fungicide—E I du Pont de Nemours & Co, Grasselli Chem
FERMCOZYME: Glucose oxidase, catalase—Fermco Labs, Inc
FERMEX: Enzymes, baking supplement—Wallerstein Co
FERMOCIDE: Chemicals, agricultural—Miller Products Co
FERRADOW: Fungicide—DOW CHEM CO

►FERRICLEAR: Ferric sulfate water purifier Stauffer Chem Co

►FERRI FLOC: Ferric sulfate; Water purification compound—Tennessee Corp

FERROCATOR SALTS: Sours, laundry—PENNSALT CHEM CORP
FERRO-SOUR: Laundry sour—DIAMOND ALKALI CO
FERRO-TERJ: Cleaner—Du Bois Co
FERTILIS: Lawn & Garden fertilizer, mixed—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
Fe TRACIN: Iron chelate agricultural chemical—Puget Sound Pulp & Timber Co
FEUTRON: Synthetic felts—American Felt Co
FIBERWHITE: Brightener, fluorescent—Fiber Chem Corp

►FIBOLAN: Dyes, garment—Allied Chem Corp, National Aniline Div

FIBRA-FLO: Filter aids—JOHNS-MANVILLE
FIBRSIZ: Wheat starch—General Mills Special Commodities Div
FIJOLINE: Base, cosmetic lotion—S B PENICK & Co
FILMCOL: Industrial solvent—Shell Chem Corp

►FILMEX: Denatured alcohol solvent—U S Industrial Chems Div

FILMITE: Coating, alkali-proof—Du Bois Co
FILTER-CEL: Filter aid—JOHNS MANVILLE
FILTROL: Products—Filtrol Corp
FINE TEX: Acid sodium pyrophosphate—VICTOR CHEM WORKS
FINISH: Dyes, leather—GENERAL DYESTUFF CO
FIRECRETE: Cement, refractory—JOHNS-MANVILLE
FIREMASTER: Flame proofing compounds—MICHIGAN CHEM CORP
FIROX: Gun mix, refractory—Illinois Clay Products Co
FLAMING: Products—Ansbacher-Siegle Corp
FLASHDRI: Heat dried printing ink—Fred'k H Levey Co
FLASHDUR: Protective coating—Maas & Waldstein Co
FLASHSET: Heat dried printing ink—Fred'k H Levey Co
FLAT-RITE: Interior enamel undercoat—SHERWIN-WILLIAMS CO
FLAT-TONE: Flat wall paints—SHERWIN-WILLIAMS CO
FLAVEDOL: Flavors, fruit, natural—GIVAUDAN FLAVORS
FLAVOPHOSPHINE: Dyes, basic—GENERAL DYESTUFF CO
FLAVORFENE: Flavored phenothiazine—Atomic Basic Chem Corp
FLAVORS OF TOMORROW: Products—FLORASYNTH LABS

►FLECTOL H: Rubber antioxidant—Monsanto Chem Co

FLEISCHMANN'S: Yeasts; Malt syrups, extracts—STANDARD BRANDS, INC

►FLEXAC: Polyvinyl acetate emulsion—Colton Chem Co

►FLEXBOND: Polyvinyl acetate—Colton Chem Co

FLEXCEL: Ink—California Ink Co
FLEXFAS: Reinforcing filler—Benj Foster Co
FLEXOL: Plasticizers—UNION CARBIDE CORP
FLEXRICIN: Acid esters, fatty; Plasticizers—BAKER CASTOR OIL CO
FLEX-SOL: Flavors, bottlers—GIVAUDAN FLAVORS
FLINTFLEX: Enamels—E I du Pont de Nemours & Co, Finishes Div
FLO-BRITE: Wax—DuBois Co
FLO-DYN: Explosives—Atlas Powder Co, Explosives Div
FLOKOTE: Starch, paper—National Starch & Chem Corp
FLOMAX: Stabilizer, vinyl—NATIONAL LEAD CO
FLORASYNTH: Products—FLORASYNTH LABS
FLORCO: Fuller's earth; Absorbents, oil, grease—Floridin Co
FLORENE: Odorant—SINDAR CORP
FLORENCE: Zinc oxide—New Jersey Zinc Co
FLORESSENCE: Products—FLORASYNTH LABS
FLOREX: Fuller's earth; Adsorbent—Floridin Co
FLORIDIN: Fuller's earth; Adsorbent—Floridin Co
FLORIGEL: Clays, colloid—Floridin Co
FLORISIL: Adsorbent, analytical—Floridin Co
FLORITE: Bauxite; Adsorbents—Floridin Co
FLORITE DESICCANT: Desiccant; Bauxite; Catalyst support—Floridin Co
FLOR-GLO: Floor waxes—Fuld Bros
FLORWEAR: Coatings, chem resistant—Inertol Co
FLO-SHYNE: Polyethylene wax—Woodbury Chem Co
FLOW: Foaming agent—DuBois Co
FLOW KOTE: Paint—E I du Pont de Nemours & Co, Finishes Div
FLOZENE: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS

FLUID FILM: Corrosion control—Eureka Chem Co
FLUOREL: Elastomer—Minnesota Mining & Mfg Co, Chem Div
FLUORINSE: Whitening agents—MAHER COLOR & CHEM CO
FLUOROL: Dyes; Lacquer; Varnish—GENERAL DYESTUFF CO

►FLUOROLUBE: Fluorocarbon lubricants — Hooker Chem Corp

►FLUOROSOL: Bleaches, optical — Allied Chem Corp, National Aniline Div

FLUSHEX: Chemical sump fluid—Rhodia, Inc
FLY-RO-CIDE: Spray base, fly—Miller Products Co
FOAMAR DEFOAMAR: Defoamer—ARGUS CHEM CORP

►FOAMASOL: Air entraining agents—Onyxoil & Chem Co

FOAMSEAL 30-45: Joint sealer—Benj Foster Co
FOAMWILT: Defoamer—FINE ORGANICS
FOLIAFUME: Insecticide, plant spray—S B PENICK & CO
FOLIONE: Methyl heating carbonate—GIVAUDAN
FOMREZ: Polyester, urethane foams—WITCO CHEM CO
FONOLINE: Petrolatum—L SONNEBORN SONS
FORAM BA: Nontoxic insecticides—Uncle Sam Chem Co

►FORAMINE: Adhesives, urea-formaldehyde —Reichhold Chems, Inc

►FORASITE: Adhesives, phenolic—Reichhold Chems, Inc

FORBAN: Perfume base—FLORASYNTH LABS
FOREMUL: Emuisifiers, insecticide; Polyethylene glycol oleate—JACQUES WOLF & CO
FORMASET: Urea F Resins—Warwick Chem Co Div

►FORMCEL: Formaldehyde in alcohols—Celanese Corp of America, Chem Div

►FORMOPON: Sodium sulfoxylate formaldehyde—Rohm & Haas Co

FORMVAR: Polyvinyl formal resins—SHAWINIGAN RESINS CORP
FORON: Dyes, synthetic fibers—Sandoz, Inc

►FORTEX: Microcrystalline, hard & plastic—Warwick Wax Div

FORTICEL: Plastics, cellulose propionate—Celanese Corp of America, Plastics Div
FORTIFLEX: Linear polyolefin—Celanese Corp of America, Plastics Div
FORTRACIN: Feed supplement, bulk—S B PENICK & CO
FOSBOND: Coatings, corrosion control—PENNSALT CHEM CORP

►FOSFODRIL: Sodium tetraphosphate—Westvaco Mineral Products Div

FOSRINSE: Coatings, corrosion control—PENNSALT CHEM CORP
FOSSILITE: Diatomite—L A SALOMON & BRO

►FOTOCOL: Proprietary alcohol solvent—Commercial Solvents Corp

►FOUNDREZ: Resins—Reichhold Chems, Inc

FOXHEAD: Corn starch, pearl—CORN PRODUCTS CO
FRANKOBASE: Odorless thinners—L SONNEBORN SONS
FREE-FLO: Bicarbonate, soda—DIAMOND ALKALI CO
FREEZALL: Dry ice—Spencer Chem Co
FREEZENE: Mineral oils; Cosmetic chemicals—L SONNEBORN SONS
FREFLO: Sulfur, agricultural—Miller Products Co

►FREON, FREON-11, 12, 13, 13B1, 22, 113, 114: Fire extinguishing agents; propellants; refrigerants—E I du Pont de Nemours & Co, "Freon" Products Div

FREZALL: Dry ice—Spencer Chem Co
FRIGIDOL: Lubricant, extreme-pressure—G Whitfield Richards
FRITZBRO: Flavors—Fritzsche Bros
FROIL: Rust preventative—Octagon Process Inc
FRUITOSYNTH: Flavors—FLORASYNTH LABS
FRUTABS: Fructose tablets—PFANSTIEL LABS
FULDICIDE: Disinfectants—Fuld Bros
FULSHINE: Cleaners, floor—Fuld Bros
FUM-AROMAS: Incense—S B PENICK & CO
FUMAZONE: Soil fumigant—DOW CHEM CO
FUMIGRAIN: Insecticides, farm, garden—Miller Products Co
FUMILENE: Insecticides, farm, garden—Miller Products Co
FUMISEED: Insecticides, farm, garden—Miller Products Co
FUMISPRA: Insecticides, farm, garden—Miller Products Co
FUMITOX: Insecticides, farm, garden—Miller Products Co
FUNGCHEX: Turf fungicide—F W Berk Co
FUNGI SHIELD: Protective coating—Maas & Waldstein Co
FUNGIZYME: Bates, tanning—JACQUES WOLF & CO

►FURAFIL: Filler, plastic—Quaker Oats Co

►FUR-AG: Fertilizer conditioner, filler — Quaker Oats Co

FURALAC: Acidproof cements—PENNSALT CHEM CORP
FURNEX: Carbon black—COLUMBIAN CARBON CO
FYBRENE: Petrolatum—L SONNEBORN SONS
FYREMORTAR: Cements, refractory—Quigley Co
FYREX: Flameproofing compounds—VICTOR CHEM WORKS

G

►G: Sodium silicate—Philadelphia Quartz Co

G-4: Dichlorophene—SINDAR CORP
G-11: Hexachlorophene—SINDAR CORP
G-942: Tanning agent—E I du Pont de Nemours & Co, Grasselli Chems Dept
GAF: Carbonyl iron powders—ANTARA CHEMS
GBS: Sodium bisulfate—E I du Pont de Nemours & Co, Grasselli Chems Dept
G C C: Rare earth metals; products—General Cerium Corp
GALACTASOL: Water soluble guar gum—General Mills, Special Commodities Div
GALEX: Rosin, disproportionated—NATIONAL ROSIN OIL PRODUCTS
GALLICIDE: Fungicide, slimicide—Gallowhur Chem Corp
GALLOSAN; TS: Slimicide—Gallowhur Chem Corp
GALLOTOX: Seed fungicide—Gallowhur Chem Corp
GALVINOLEUM: Coatings, galvanized metals aluminum—Rust-Oleum Corp
GAMACO: Calcium carbonate filler—Georgia Marble Co
GAMADUSTO: Insecticides, farm, garden—Miller Products Co
GAMASPRA: Insecticides, farm, garden—Miller Products

►GAMMANOL: Emulsifiers—Nopco Chem Co

GARDANTHROL: Aromatic specialty chemical—DOW CHEM CO
GARDUSTO: Insecticides, farm, garden—Miller Products Co
GASTEX: Carbon black, gas furnace—GODFREY L CABOT
GELATINASE: Protease enzyme—Takamine Lab
GELCARIN: Irish Moss extract—Marine Colloids, Inc
GELITE: Bentonite—Sullivan Co
GELLOID: Carrageen—JACQUES WOLF & CO
GELODYN: Explosives—Atlas Powder Co, Explosives Div
GELVA: Polyvinyl acetate resins—SHAWINIGAN RESINS CORP
GELVATOL: Polyvinyl acetate resins—SHAWINIGAN RESINS CORP
GENACRYL: Dyes, synthetic fibers—GENERAL DYESTUFF CO
GENAMID: Resins, amino-amide—General Mills, Inc
GEN-FLO: Latices—General Tire & Rubber Co

►GENITE: Miticide—Allied Chem Corps, General Chem Div

GEN-TAC: Latices, vinyl pyridine—General Tire & Rubber Co
GENTRO: Synthetic rubber—General Tire & Rubber Co
GENTRO JET: Black masterbatch—General Tire & Rubber Co
GEON: Polyvinyl materials—B F Goodrich Chem Co
GEORGIANIER: Cellulose—Rayonier, Inc
GERANIDAR: Artificial geranium oil—FLORASYNTH LABS
GERANOL: Dyes, basic—GENERAL DYESTUFF CO
GERM-I-TOL: Quaternary ammonium germicide—FINE ORGANICS
GERMALL: Disinfectant—Uncle Sam Chem Co
GIBB: Gibberellic acid—United-Heckathorn
GIB-GRO: Gibbarellin growth substance—Miller Products Co

►GIBREL: Gibberellic acid plant growth aid—Merck Chem Div

GILSULATE: Insulation—AMERICAN GILSONITE CO
GIVCO: Perfume bases—GIVAUDAN
GIVCONENTAL BLEND: Flavors, fruit natural—GIVAUDAN FLAVORS
GLASS GLOW: Detergent compound—Britex Corp
GLIT: Glass and plastic cleaner—Kano Labs
GLOBE: Corn starch—CORN PRODUCTS SALES CO
GLOBLAK: Dispersion—COLUMBIAN CARBON CO
GLO-BRITE: Polishing compounds—B R Elk & Co
GLOBRITE: Products—Globe Chem Co
GLOMAX: Calcined clay—Georgia Kaolin Co
GLORIA: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
GLOSSET: Printing ink—Fred'k H Levey Co
GLOSTORIA: Products—Ansbacher-Siegle Corp
GLO-ZIP: Floor waxes—Fuld Bros
GLUE-BEEDS: Adhesive pellets—BURTONITE CO
GLUMASTER: Flexible glue—Swift & Co, Adhesive Products Dept
GLUMENT: Glue—Swift & Co, Adhesive Products Co

►GLYCAMIDE: Coccidiostat, feed use—Merck Chem Div

GLYCONEATS: Leather treater—E F Houghton & Co
GLYDAG: Colloidal graphite in glycerine—Acheson Colloids Co
GLYECINE: Solvents, dye—ANTARA CHEM DIV
GLYKON: Polyester resin—General Tire & Rubber Co

►GOLD BOND: Lime products—National Gypsum Co

►GOLD SHIELD: Molasses alcohol—Commercial Solvents Corp

GOLDEN HARVEST: Agricultural chemicals—CHAPMAN CHEM CO
GOOD-RITE: Products—B F Goodrich Chem Co
GOOSE LAKE: Clays, coating—Illinois Clay Products Co
GRANODINE: Products—Amchem Products, Inc
GRANODRAW: Products—Amchem Products, Inc
GRANSIZE: Textile starches—A E Staley Mfg Co

►GRANULAR ATTACLAY: Insecticide carriers, diluents—Minerals & Chem Corp of America

GRAPHANODE: Graphite anodes—Stackpole Carbon Co
GRAPHIDONE: Photographic developing agent—PHILIP A HUNT CO
GRAPHIDOX NO 4: Products—Vanadium Corp of America
GRAPHOL: Photographic developing agent—PHILIP A HUNT CO
GRAPOSYNTH: Flavors—FLORASYNTH LABS
GRAVINOL: Oil, brominated—Abbott Labs
GRAVITOL: Oils, brominated—Sterol Derivatives
GREEN BAG: Cement, Mortar—PITTSBURGH COKE & CHEM CO
GREEN 'N' KLEEN: Fertilizer mixes; Weed killer—Miller Products Co

►GREENEVILLE: Roofing mica—International Minerals & Chem Corp, Industrial Minerals Div

GREENZ 26: Plant growth stimulant—Crown Zellerbach Corp
GREX: Polyethylene, high density—W R Grace & Co, Polymer Chem Div

►GRIFFCO: Polyvinyl acetate emulsion—Nopco Chem Co

►GRIFFIN: Plasticizers—Nopco Chem Co

GRIPCLAD: Chemical-resistant finishes—SHERWIN-WILLIAMS CO
GRIPLATE: Paint, metal primers—SHERWIN-WILLIAMS CO
GRIPTITE: Dry animal glue—Swift & Co, Adhesive Products Dept
GRUNDITE: Clays—Illinois Clay Products Co

►GUANTAL: Rubber accelerator activator—Monsanto Chem Co

GUARTEC: Water soluble guargum, industrial grade—General Mills, Special Commodities Div
GUM-KOTE: Gum, liquid—Lox Mfg Co
GYNESTROL: Estrogenic hormone preparations—S B PENICK & CO

H

►HB 20: Partially hydrogenated alkylarylhydro carbon—Monsanto Chem Co

►HB 40: Partially hydrogenated tarphenyl — Monsanto Chem Co

►HCA: Hexachloroacetone — Allied Chem Corp, General Chem Div

H E M: Embedding media—Hartmann-Leddon Co
H F: Acidproof cements—PENNSALT CHEM CO
HFM: Fluorescence mounting medium for microscopy—Hartman-Leddon Co
H G X: Mercury decontaminant—Stieh Chem
H I MASTIC 90-7: Protective coating—Benj Foster Co
H I O: Immersion oil—Hartmann-Leddon Co
HIS: Laundry starch—HERCULES POWDER CO
H-K BLEACH: Bleach—H KOHNSTAMM & CO
H S R: Synthetic resins—Hartmann-Leddon Co
H-SERIES FLUX: Non-corrosive flux—Fairmount Chem Co

►HT: Clays, coating—Minerals & Chem Corp of America

HT-44, 440: Enzymes, thermostable amylase—Takamine Lab
HT-CONCENTRATE: Enzyme, thermostable concentrated amylase—Takamine Lab
HT-PROTEOLYTIC: Enzyme, protease—Takamine Lab
HW SOAKER ALKALI: Cleaners, bottle—DIAMOND ALKALI CO

►HALANE: Dichlorodimethyl hydantoin — Wyandotte Chem Corp

HALLMARK: Tapioca flour—STEIN, HALL & CO
HAMICOTE: Die cast—Harry Miller Corp
HAMIKLEER: Coolant; Rust preventative—Harry Miller Corp
HANDI-CAN: Refrigerants—PENNSALT CHEM CORP
HANDIP: Detergent compound—Britex Corp
HANSA: Hansa yellow—GENERAL DYESTUFF CO
HARDNOX ALKALI: Cleaners, bottle—DIAMOND ALKALI CO
HARDSET: Cements, setting paint brushes—H V Hardman Co
HARFLEX 300, 325, 375, 500: Plasticizers, polymerized—HARCHEM DIV, WALLACE & TIERNAN
HARLECO: Chemical reagents—Hartmann-Leddon Co
HARMON: Colors—B F Goodrich Chem Co
HARTOCIDE: Permanent mothproofing agent—Hart Products Corp

HARTOSET: Thermosetting textile resins—Hart Products Corp
HATCO: Products—HATCO CHEM CO
HATCOL: Products—HATCO CHEM CO
HAVEG: Corrosion resistant materials—Haveg Industries

►HEATHERLOFT: Product for synthetic yarn —Eastman Chem Products

HEAVY DUTY: Solvent, metal degreasing—Diversey Corp
HELINDON: Dyes, vat—GENERAL DYESTUFF CO
HELIO: Dyes, vat—GENERAL DYESTUFF CO
HELIOGEN: Dyes, vat—GENERAL DYESTUFF CO
HELIOLINE: White vegetable oleic acid—Woburn Chem Corp
HELLITE: Cement, refractory—JOHNS-MANVILLE
HENNIG PURIFIER: Sodas, modified — COLUMBIA-SOUTHERN CHEM CORP
HENROX: Inhibited acid—J F Henry Chem Co
HEN'S TEETH: Poultry grit—Georgia Marble Co
HEPTEEN: Accelerator rubber—Naugatuck Chem Div
HEPTEEN BASE: Products—Naugatuck Chem Div
HEPTODUSTO: Insecticides, farm, garden—Miller Products Co
HEPTOSPRA: Insecticides, farm, garden—Miller Products Co

►HEPZIDE: Nithiazide poultry medication—Merck Chem Div

HERBISAM: Herbicide—Roberts Chems, Inc
HERCULES: Dry animal glue—Swift & Co, Adhesive Products Dept
HERECROL: Synthetic rubber—Heresite & Chem Co
HERESITE: Protective coatings—Heresite & Chem Co
HERMATITE: Liquid glue—Swift & Co, Adhesive Products Dept
HERO: Adhesives—MORNINGSTAR-PAISLEY, INC

►HET ACID: Chlorendic acid—Hooker Chem Corp

►HET ANHYDRIDE: Chlorendic anhydride—Hooker Chem Corp

HETRON: Resins, polyester—Durez Plastics Div
HEXACHROME: Tanning material, chrome—Fiber Chem Corp

►HEXAGON: Cologne grain spirits—Commercial Solvents Corp

HEXALIN: Cyclohexanol—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
HEXALON: Fuel oil desludger—Feedwaters, Inc

►HEXAPHOS: Sodium hexa-m-phosphate — Westvaco Mineral Products Div

HEXOGEN: Products—ADVANCE SOLVENTS & CHEM DIV
HIBLAK: Dispersion—COLUMBIAN CARBON CO
HICOLOR: Cellulose, wood—Rayonier, Inc

►HI D: Ammonium nitrate fertilizer, granular —Commercial Solvents Corp

HIDACHROME: Dyes, mordant—HILTON-DAVIS CHEM CO DIV
HIDACID: Dyes, acid—HILTON-DAVIS CHEM CO DIV
HIDACO: Dyes, basic—HILTON-DAVIS CHEM CO DIV
HID-A-MARK: Stencil coating—Krylon Inc

►HI-DRY: Tetraethylene glycol — Jefferson Chem Co

HIDRY: Vitamin D_2—Douglas Chem Corp
HI-GEE: Heavy liquid—National Biochem Co
HIGH SPEED: Tinning flux—E I du Pont de Nemours & Co, Grasselli Chems Dept
HILASTIC 60-99: Protective coating—Benj Foster Co
HI-FOAM BASE: Foaming agent—MAHER COLOR & CHEM CO
HI-SOL: Reducer—Potter Paint Co
HILTAMINE: Brighteners, fluorescent—HILTON-DAVIS CHEM CO DIV
HILTASPERSE: Colors, pigments—HILTON-DAVIS CHEM CO DIV
HILTAZENE: Dyes, azoic—HILTON-DAVIS CHEM CO DIV
HILTONAPHTHOL: Dyes, azoic—HILTON-DAVIS CHEM CO DIV
HILTONE: Pigments, textile—HILTON-DAVIS CHEM CO DIV
HILTONIL: Dyes, azoic—HILTON-DAVIS CHEM CO DIV
HILTOSAL: Diazo salts—HILTON-DAVIS CHEM CO DIV
HIPPO: Hide glue, liquid—Swift & Co, Adhesive Products Dept
HI-SIL: Amorphous silica—COLUMBA-SOUTHERN CHEM CORP
HI-SPEED: Cleaners—DIAMOND ALKALI CO
HITEC: Heat transfer medium—E I du PONT de NEMOURS & CO, EXPLOSIVES DEPT
HITEMPITE: Refractory cements—Quigley Co
HI-TEST ALKALI: Cleaners, bottle—DIAMOND ALKALI CO
HI-TEMP: High temperature lubricants—E F Houghton & Co
HI-WHITE: Clays, filler—J M HUBER CORP
HOCUT: Metal working lubricants—E F Houghton & Co

►HOOKER WHITE: Muriatic acid — Hooker Chem Corp

HORIZO: Cleaner—DIAMOND ALKALI CO
HORMOESTER: Weed killers—Miller Products Co
HORMOIL: Weed killers—Miller Products Co
HORMOKIL: Weed killers—Miller Products Co
HORMOSALT: Weed killers—Miller Products Co
HORMOTOX: Weed killers—Miller Products Co
HORSE HEAD: Products—New Jersey Zinc Co
HOUGHTO-DRAW: Metal working lubricants—E F Houghton & Co
HOUGHTO-SIZE,-WAX: Sizing compounds—E F Houghton & Co
HURRICLEAN: Steam cleaning gun—Oakite Products
HUVASOL: Paint & lacquer solvents, thinners—Hukill Chem Corp
HYAL: Plastic refractory—Quigley Co

►HYAMINE: Bactericides & disinfectants, synthetic organic—Rohm & Haas Co

►HYBASE: Barium sulfonate—Bryton Chem Co

HYCAR: Rubber, synthetic—B F Goodrich Chem Co
HY-CASE: Protein hydrolysate—SHEFFIELD CHEM DIV
HYCHOL: Lanolin, high cholestrol—Robinson Wagner Co
HYCRYL: Latex thickening agent—U B S Chem Corp
HYDAN: Feed supplement—E I du Pont de Nemours & Co, Grasselli Chems Dept
HYDRAFIL: Clays, washed—J M HUBER CORP
HYDRAFINE: Clays, coating—J M HUBER CORP
HYDRALASE: Enzymes; Diastase—JACQUES WOLF & CO
HYDRASPERSE: Clays, coating—J M HUBER CORP
HYDRATEX: Clays, coating—J M HUBER CORP
HYDRATITE: Adhesives—National Starch & Chem Corp

►HYDRHOLAC: Lacquer emulsions, leather finishing—Rohm & Haas Co

►HYDRI-FOAM: Blowing agent — Metal Hydrides

HYDRITE: Particle size extender—GEORGIA KAOLIN CO
HYDROBREAK: Detergent—DIAMOND ALKALI CO
HYDROCAL: Gypsum cements—United States Gypsum Co
HYDROCARB: Drilling mud conditioner—COLUMBIA-SOUTHERN CHEM CORP

►HYDROCURE: Waterproofing agents — Borden Chem Co

HYDRO-FLAKES: Adhesive—National Starch & Chem Corp
HYDROFOL: Fatty acids; Glycerides; Heat-transfer media —Archer-Daniels-Midland Co
HYDROFOL TINFATS: Heat transfer mediums—Archer-Daniels-Midland Co
HYDROLATE: Soap builders—DIAMOND ALKALI CO
HYDROLENE: Leather finishing agents—B B Chem Co
HYDROPOL: Hydrogenated polymer—PHILLIPS PETROLEUM CO, SPECIAL PRODUCTS DIV
HYDROLUX: Vat-printing assistant—Warwick Chem Co Div
HYDRON: Dyes, sulfur—GENERAL DYESTUFF CO
HYDROTAN: Drilling mud conditioner—COLUMBIA-SOUTHERN CHEM CORP
HYDROXANIL: Developers, dyeing—MAHER COLOR & CHEM CO
HYDROZIN: Zinc sulfoxylate formaldehyde—JACQUES WOLF & CO
HYFAC: Acids, fatty; Hydrogenated fats—EMERY INDUSTRIES
HYFLO: Filter aid—JOHNS-MANVILLE

►HYFORM: Emulsions—American Cyanamid Co, Industrial Chem Div

HYGROMIX: Swine anthelmintic feed additive—Eli Lilly & Co
HY-KURE: Chlorine dioxide flour bleach—Sterwin Chems, Inc
HYLENE: Isocyanate, organic—E I du Pont de Nemours & Co, Elastomers Div
HYPALON: Synthetic rubber—E I du Pont de Nemours & Co, Elastomers Div
HYPOWR: Extra high test gelatin—J O Whitten Co, Inc
HY-POW'R'D: Cleaner—DuBois Co
HYPRIN: Hydroxypropyl glycerine—DOW CHEM CO
HYPROSE: Hydroxypropyl sucrose—DOW CHEM CO
HYSOL: Dyes, inks, plastics—PATENT CHEM
HY-SORB: Absorbents, oil & grease—JOHNS-MANVILLE
HY-TEX: Detergent—Barton Chem Co
HYTHERM: Dyes, inks, plastics—PATENT CHEM
HYTROL: Cyclohexanone—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
HYWAX: Products—Werner G Smith

I

IC: Products—Interchem Corp, Finishes Div
IRN: Magnetic materials—C K WILLIAMS & CO
ICHTHYMALL: Ichthammol — MALLINCKRODT CHEM WORKS
ICHTHYNAT: Ichthammol, N F—HEYDEN NEWPORT CHEM CORP
IGENAL: Dyes, leather—GENERAL DYESTUFF CO
IGEPAL: Surface active agents, nonionic—ANTARA CHEM DIV
IGEPON: Surface active agents, anionic—ANTARA CHEM DIV
IMINCO: Ground barytes—Industrial Minerals, Inc
IMMEDIAL: Dyes, sulfur—GENERAL DYESTUFF CO
IMMUNOL: Solvent; Rust preventive—Harry Miller Corp
IMPad: Pigment pad dyeing concentrate—Imperial Color Chem & Paper Corp
IMPEDEX: Mold inhibitor—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
IMPERIAL: Adhesives—Dacar Chem Products Co
IMPERSE: Aqueous pigment dispersion—Imperial Color Chem & Paper Corp
IMPERVO: Adhesives—National Starch & Chem Corp

►IMPLEX: Acrylic resin molding powder — Rohm & Haas Co

IMPREGNO: Insecticide concentrate—S B PENICK & CO
IMPREGNOLE: Water repellents—Warwick Chem Co Div
IMPrint: Pigment printing concentrate—Imperial Color Chem & Paper Corp
IMPROVAL 20, 33: Inhibitors, transformer oil, gasoline—Koppers Co, Tar Products Div
INCELOID: Adhesives, lacquers, plastics—American Products Mfg Co
INCO: Products—International Nickel Co
INCONEL: Nickel-chromium alloy—International Nickel Co
INCOLOY: Nickel-iron chromium alloy—International Nickel Co
INDACO: Glues, pastes—Industrial Adhesive Co
INDALLOY: Solders; Alloys; Pellets; Foil—Indium Corp of America
INDANTHRENE: Dyes, vat—GENERAL DYESTUFF CO
INDO CARBON: Sulfur dyes—GENERAL DYESTUFF CO
INDONEX: Plasticizers, rubber—AMOCO CHEM CORP
INDOPOL: Polybutenes—AMOCO CHEM CORP
INDRALATUM: Petroleum wax—INDUSTRIAL RAW MATERIALS CORP
INDULIN: Alkali lignin—W Va Pulp & Paper Co, Polychems Div
INDUSOIL: Distilled tall oil—W Va Pulp & Paper Co, Industrial Chem Sales Div
INERTOL: Anti-rusting compounds—Inertol Co
INERTOL PRIMER 621, 622, 626: Paints, metal primers—Inertol Co
INERTOL PRIMER 623-625: Paints, wood primers—Inertol Co
INERTOL TYPE S: Paint, metal primers—Inertol Co
INFRA: Dyes, vat—GENERAL DYESTUFF CO
INITIAL LINE: Botanical drugs, herbs—S B PENICK & CO
INK-SAV: Antiskinning agent, Ink—Ames Labs
INOCULOY: Products—Vanadium Corp of America
INSA-LUTE: Adhesive, ceramic-type cement—Sauereisen Cements Co
INSECTISOL: Insecticide base—Pennsylvania Refining Co
INSTANT JEL: Starch, food—National Starch & Chem Corp
INSTANT LOK: Adhesive—National Starch & Chem Corp
INSULAG: Insulation materials—Quigley Co
INSULCOLOR: Paints, insulating—Armstrong Cork Co
INSULFAS 60, 40: Spray coating, fire-resistant—Benj Foster Co
INSULKOTE: Coatings, corrosion-control—JOHNS-MANVILLE
INSUL-MASTIC: Protective coatings — PITTSBURGH COKE & CHEM CO

►INSULOXIDE: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co

INTERNATIONAL: Fertilizers, mixed—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
INTERPLASTICS: Thermoplastic molding powders—Interplastics Corp
INTRACOL: Cationic, emulsifying, surface-active agents —SYNTHETIC CHEMS
INTRAMINES: Surface active agents—SYNTHETIC CHEMS, INC
INVIN: Stabilizers, vinyl—NATIONAL LEAD CO
I O BRITE: Idophor—Britex Corp
IODOTE: Iodophor—DuBois Co
IOFLOW: Potassium iodide mixture—MALLINCKRODT CHEM WORKS
IOMAG: Potassium iodide mixture—MALLINCKRODT CHEM WORKS
IONAC: Water conditioning equipment—Permutit Co.
ION KOTE: Coatings, phosphate—DuBois Co
IONOL: Antioxidant—Shell Chem Corp
IONAC: Water conditioning equipment—Permutit Co
IRGASAN: Bacteriostat—Geigy Industrial Chems Div
IRISOL: Dyes, acid—GENERAL DYESTUFF CO
IRISONE: Methylionine—GIVAUDAN
ISOFOAM: Urethane resin—Isocyanate Products
ISOLINE: Dehydrated castor oil—Woburn Chem Corp
ISOLITE: Polyester resins—Schenectady Varnish Co
ISOMELT: Polyurethane wire enamel—Schenectady Varnish Co
ISONEL: Polyester insulating varnish, wire enamel—Schenectady Varnish Co

►ISOPALM: Isopropylpalmitate — Wilson-Martin (Div Wilson & Co)

ISOPLAST: Depolymerized rubber—Rubber & Asbestos Corp
ISOPROL: Weed killers—Miller Products Co
ISOPROPYLAN: Isopropyl ester of lanolin—Robinson Wagner Co

►ISOSEBACIC ACID: Intermediate, synthetic materials—U S Industrial Chem Div

ISOSTYRE: Styrenated dehydrated castor oil—Woburn Chem Corp
ISOTRON: Propellents & refrigerants—PENNSALT CHEM CORP
ISOTRON 11: Trichloromonofluoromethane—PENNSALT CHEM CORP
ISOTRON 12: Dichlorodifluoromethane — PENNSALT CHEM CORP
ISOTRON 13: Chlorotrifluoromethane—PENNSALT CHEM CORP
ISOTRON 22: Chorodifluoromethane—PENNSALT CHEM CORP
IVO: Bone black—COLUMBIAN CARBON CO

J

J-324: Waxes, Fischer-Tropsch—DURA COMMODITIES CORP
J-1190: Adhesives primer—Armstrong Cork Co
JC-60: Jointing compound—Atlas Mineral Products Co
JACK FROST: Glass etching compounds—McKay Chem Co, Inc
JAGUAR: Guar gum—STEIN HALL & CO
JAIPUR: Indian talc—WHITTAKER, CLARK & DANIELS
JASMONENE: Aromatic chemicals, perfumes—S B PENICK & CO
JASMONIS: Perfume base—GIVAUDAN
JAVOLLAL: Oil substitutes, citronella—Fritzsche Bros

►JAYLAC: Petroleum resin—Enjay Co

►JAYLENE: Olefins—Enjay Co

►JAYSOL: Proprietary solvent—Enjay Co

JEL-O-MER: Resins, alkyd—ALKYDOL LABS
JET-KOTE: Coatings, protective—Furane Plastics
JET: Gilsonite selects, high mp—G S Ziegler & Co
JET MILLED: Pigments—MINERAL PIGMENTS CORP
JIFFIX: Fixer, photographic—MALLINCKRODT CHEM WORKS
JUST: Cleaners; Polish; Disinfectants; Wax—Fuld Bros
JUST-LITE BAG: Packaged charcoal briquets—Collier Carbon & Chem Corp
JUVENON: Soil retardant—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

K

"K" FELT: Thermal and accoustical insulation—American Felt Co
K-LAC: Sodium caseinate—A Adler & Son
KOP: Quicklime—United States Gypsum Co
KADOX: Zinc oxide—New Jersey Zinc Co
KALITE: Calcium carbonate—DIAMOND ALKALI CO
KALMAC: Calcium carbonate filler, surface treated—Georgia Marble Co
KALYE: Cleaner, metal—RUMFORD CHEM WORKS

►KAM: Phosphated caustic soda—Westvaco Chlor-Alkali Div

KANO FLOWAY: Solvents, metal degreasing—Kano Labs
KANO GRAPHOIL: Lubricants, graphite—Kano Labs
KANO KREEN: Oils, penetrating—Kano Labs
KANO KROIL: Solvents, petroleum—Kano Labs
KANO OVENLUBE: Lubricant, graphite—Kano Labs
KANO PYROLUBE: Lubricant, graphite—Kano Labs
KANO TAK: Wetting agent—Kano Labs
KANT-LEAK: Asphalt compounds—Sullivan Co
KAOLEX: Clays, ceramic—J M HUBER CORP

►KAPSOL: Plasticizers, resin—Food Machy & Chem Corp, Chems & Plastics Div

KARASPRA: Chemicals, agricultural—Miller Products Co

►KARATHANE: Acaricide, insecticide, fungicide—Rohm & Haas Co

KARBATE: Impervious carbon and graphite—NATIONAL CARBON CO
KARMEX: Herbicide—E I du Pont de Nemours & Co, Grasselli Chem

►KASIL: Potassium silicate — Philadelphia Quartz Co

KATANOL: Mordants, textile—ANTARA CHEM DIV
KATAPOL: Surface active agents, cationic—ANTARA CHEM DIV
KATAPONE: Inhibitors, corrosion—ANTARA CHEM DIV
KATA-PONTEX: Coating, epoxy resin—Inertol Co
KATIGEN: Dyes, sulfur—GENERAL DYESTUFF CO
KAYDOL: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
KEL-F: Thermoplastics; Elastomers—Minnesota Mining & Mfg Co, Chem Div
KELLEY ISLAND: Lima, hydrated—Cutler-Magner Co

►KELTHANE: Agricultural miticide—Rohm & Haas Co

KEM: Paints, enamels, lacquers—SHERWIN-WILLIAMS CO
KEM GLO: Enamels, household—SHERWIN-WILLIAMS CO
KEM LUSTRAL: Enamels, industrial—SHERWIN-WILLIAMS CO
KEMIDOL: Hydrated lime, quicklime—United States Gypsum Co
KEMIKAL: Hydrated lime, quicklime—United States Gypsum Co
KEM-O-DRY: Cleaning & drying solvent—Detrex Chem Industries
KEMPORE: Blowing agent—National Polychems
KEMVAR: Varnishes, furniture—SHERWIN-WILLIAMS CO
KENFLEX: Resins; Rubber compounding materials—Kenrich Corp
KENMIX: Pigment dispersions; Rubber compounding materials—Kenrich Corp
KENPLAST: Oils; Plasticizers; Resins—Kenrich Corp
KERATOL: Textile chem—Fiber Chem Corp
KERODOR: Odorant—SINDAR CORP
KEROSCENT: Odorant—SINDAR CORP
KEROZONE: Odorant—SINDAR CORP
KESSCO: Surface active agents; Plasticizers—KESSLER CHEM CO
KESSCOFLEX: Plasticizers—KESSLER CHEM CO
KETAC: Resin, adhesives—American Cyanamid Co, Plastics & Resins Div
KETONA: Anhydrous & aqua ammonia—Alabama By-Products Corp
KETONA: Anhydrous & aqua ammonia—Ketona Chem Corp
KIEROLE: Kier assistants—Warwick Chem Co Div CO
KILSPRAY: Aerosol insecticide—Uncle Sam Chem Co
KING KLING: Liquid glue—Swift & Co, Adhesive Products Dept
KLEANROL: Soldering flux, crystal—E I du Pont de Nemours & Co, Grasselli Chem
KLEARALL: Safety solvents—Octagon Process, Inc
KLEAROL: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS
KLEENFLO: Activated clay—L A SALOMON & BRO
KLEEN GLASS: Glass cleaner—Uncle Sam Chem Co
KLEEN SPOT: Spot cleaner—Uncle Sam Chem Co
KLEENEST: Diatomite aggregate—AQUAFIL CO
KLENARIN: Cleaners—Fiber Chem Corp
KLEX: Soaps—Colgate-Palmolive Co
KLOBEN: Weed killer—E I du Pont de Nemours & Co, Grasselli Chems Dept

►KLONDYKE: Clays, filler—Minerals & Chem Corp of America

KLOR-O-BRITE: Detergent sanitizer—Britex Corp
KLOR-O-KLEEN: Detergent sanitizer—Britex Corp
KLORO KOL: Cleaner—DuBois Co
KLOTOGEN F: Menadione sodium bisulfite—Abbott Labs

►KNITOL: White mineral oil — Continental Oil Co

KNOX-OUT: Insecticides, farm, home, garden—PENNSALT CHEM CORP
KO-BLEND I S: Sulfur masterbatch, insoluble—General Tire & Rubber Co
KOBOND: Starch adhesive, corrugating—National Starch & Chem Corp

►KODA: Fibers, continuous filament acetate—Eastman Chem Products

►KODEL: Polyester for fibers and yarns—Eastman Chem Products

KOHINOR: Vinyl resins, compounds—Pantasote Co, Eleonora Chem Div

►KOKOBACE: Soapbases, liquid — Nopco Chem Co

KOL: Cleaner—DuBois Co
KOLLAMINE: Dye assistants—ANTARA CHEM DIV
KOLSNAP: Antifreeze—Thompson Chem Co
KONA F-4: Feldspar—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV

►KONRITE: Oils, textiles—Nopco Chem Co

KONSET: Dispersing agents, cement; colors—Sullivan Co
KONTITE: Waterproof paints—Sullivan Co
KONTROL: Corrosin inhibitors, rust preventives—Tretolite Co Divs

►KOPOL: Copals, congo — Reichhold Chems, Inc

KORLAN: Fly killer—DOW CHEM CO
KOROLITE: Enamels—United Wallpaper, Inc
KOROPON: Coatings, chemical resistant—United Wallpaper, Inc
KOROX-R: Metal brightener—J F HENRY CHEM CO
KOSMOBILE: Channel carbon blacks—UNITED CARBON CO
KOSMOS: Carbon black—UNITED CARBON CO
KRALAC: Synthetic resins—Naugatuck Chem Div
KRALASTIC: Thermoplastic materials—Naugatuck Chem Div
KRAYSTAY: Carragreen extract—Kraft Foods

►KREELON: Sodium alkyl arsyisulfonate — Wyandotte Chem Corp

►KREMOL: White mineral oil — Continental Oil Co

►KREMOLINE: Petrolatum—Continental Oil Co

KRENE: Vinyl film and sheeting—Union Carbide Plastics Co
KROILER: Squirt gun—Kano Labs
KROMAD: Fungicides, turf—MALLINCKRODT CHEM WORKS
KROMAPLAST: Dry colors—American Molding Powder & Chem Corp
KROMA REDS: Iron oxides, red—C K WILLIAMS & CO
KROMFAX: Thiodiethylene glycol—UNION CARBIDE CORP
KROMIK: Paint, metal primers—SHERWIN-WILLIAMS CO
KROMOID: Leather treating compound—DIAMOND ALKALI CO

►KRONISOL: Plasticizers — Food Machy & Chem Corp, Chems & Plastics Div

►KRONITEX: Plasticizers, vinyl—Food Machy & Chem Corp, Chems & Plastics Div

KRYLON: Coatings; Enamels—Krylon, Inc
KRYOCIDE: Insecticide bases, natural—PENNSALT CHEM CORP
KRYOLITH: Cryolite, natural—PENNSALT CHEM CORP
KUPLEX: Gum inhibitors—Tretolite Co Divs
KURE-BLEND M T: Tetramethyl thiuram disulfide, masterbatch—General Tire & Rubber Co, Chem Div
KUROLITE: Flour maturing agent—Sterwin Chems, Inc
KURON: Weed killer—DOW CHEM CO
KUTWELL: Oil, metal cutting—ESSO STANDARD OIL CO
KWIK KLAMP: Adhesive—National Starch & Chem Corp
KYRAX: Polyvinylester wax—AIR REDUCTION CHEM CO

L

L-6: Liquid detergent—Gallowhur Chem Corp
L-7: Protective coating—American Grease Stick Co
LT-30: Insulation materials—Armstrong Cork Co
LX-685,-782: Heat-reactive resins—NEVILLE CHEM CO
LABRO BRITE-WOOL: Detergent—Britex Corp
LAC-1-R 296, R446: Research chemicals, gas chromotography liquid phase—Cambridge Industries Co
LACTARIN: Carrageen & giratina extracts—MARINE COLLOIDS, INC
LAFAYETTE: Lubricants—AMERICAN OIL & SUPPLY CO
LAGFAS B1-42W: Insulation lagging adhesive—Benj Foster Co
LAGTONE: Protective coating—Benj Foster Co
LAKERSOLV: Thinners—Potter Paint Co
LAKTANE: Solvents—ESSO STANDARD OIL CO
LAMINAC: Polyester resins—American Cyanamid Co, Plastics & Resins Div

►LANAMID: Metalized dyes, neutral—Allied Chem Corp, National Aniline Div

LANAMIDE: Lanolic acid amide—Robinson Wagner Co
LANAMINE: Lanolic acid amine compound—Robinson Wagner Co
LANASET: Resins—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
LANASYN: Dyes—Sandoz, Inc
LANATERGE: Detergents, nonionic—MAHER COLOR & CHEM CO
LANFRAX: Wax, lanolin—Malmstrom Chem Corp
LANFRAX-WS 55: Wax, lanolin—Malmstrom Chem Corp
LANOCERIN: Lanolin, wax—Robinson Wagner Co
LANOCHOL: Lanolin alcohols—Robinson Wagner Co
LANOGEL: Water soluble lanolin—Robinson Wagner Co
LANOGENE: Oil soluble liquid lanolin—Robinson Wagner Co
LANOLIZE: Finishes, textiles, softener—Scholler Bros
LANOMAL: Lanolin soap, powdered—N I Malmstrom & Co
LANOSOL: Lanolin, colloidal suspension—Robinson Wagner Co
LANSCO: Dry colors and dispersions—Landers-Segal Color Co
LANTOX: Water soluble lanolin—Lanatex Products
LANTROL: Oil, lanolin—Malmstrom Chem Corp

►LANUM: Lanolin—Merck Chem Div

LATEX LUBE: Lubricants, rubber—DuBois Co

►LATHANOL: Detergents; Foaming agent—Allied Chem Corp, National Aniline Div

LATICRETE: Flexibilized concrete—Naugatuck Chem Div
LAUNTEX: Laundry detergent—COWLES CHEM CO
LAUREX: Accelerator, rubber—Naugatuck Chem Div
LAURINE: Hydroxycitronellal—GIVAUDAN

►LAUXEIN: Adhesives—Monsanto Chem Co

►LAUXITE: Adhesives—Monsanto Chem Co

►LAVEPON: Scouring agent, nonionic—Rohm & Haas Co

LAVINORE: Synthetic manganese dioxide—E J LAVINO & CO
LAWNTONE: Fertilizer, mixes—Miller Products Co
LEADEX: E P Grease—ESSO STANDARD OIL CO
LEADSTAR: Stabilizer, vinyl—NATIONAL LEAD CO
LEAK LOCK: Joint sealing compound—Highside Chem
LECO: Chemical analysis apparatus—Laboratory Equipment Corp
LECTRO: Stabilizer, vinyl—NATIONAL LEAD CO
LEFKO: Metallic soaps—Leffingwell Chem Co
LEFKOWELD: Epoxy adhesives—Leffingwell Chem Co
LEHIGH: Zinc oxide—New Jersey Zinc Co

►LEMAC: Polyvinyl acetate—Borden Chem Co

►LEMOL: Polyvinyl alcohol—Borden Chem Co

LEONIL: Leveling agent, textile—ANTARA CHEM DIV
LESTOIL: Detergents, dispersants, wetting agents, emulsifier, penetrant—Adell Chem Co

►LETHANE: Insecticide concentrates, synthetic organic—Rohm & Haas Co

LETHER-X: Protective coating—Maas & Waldstein Co
LEUCOPHOR: Whitening agents—Sandoz, Inc

►LEUKANOL: Tanning agent, synthetic — Rohm & Haas Co

LEVECOL: Pigments—Fred'k H Levey Co
LEVELTEX: Leveling agents, textile—MAHER COLOR & CHEM CO
LEWIS: Sodium hydroxide—PENNSALT CHEM CORP
LEXAN: Polycarbonate resin—General Elec Co, Chem Materials Dept
LIGHTNIN': Cleaners, alkali—DIAMOND ALKALI CO
LIGNASAN: Fungicide—E I du Pont de Nemours & Co, Grasselli Chem
LIGNEX: Ligno sulfonate—Baroid Div, National Lead Co
LIGNOCOL: Agent, anti-skinning; Antioxidant—HEYDEN NEWPORT CHEM CORP
LIGNYL ACETATE: Aromatic—Shulton Inc
LIGNOSITE: Products—Puget Sound Pulp & Timber Co
LILAS FLEURS VII: Perfume base—GIVAUDAN
LILIAL: Perfume chemical—GIVAUDAN
LILY: Sulfur flowers—OLIN MATHIESON CHEM CORP
LIMELITE: Sequestering agents—Oakite Products
LIMOID: Delomitic pressure hydrated lime—Warner Co
LINDANO: Insecticides, farm, garden—Miller Products Co

►LINDOL: Tricresyl phosphate — Celanese Corp of America, Chem Div

►LINDSITE: Optical polishing products — Lindsay Chem Div

LINDUSTO: Insecticides, farm, garden—Miller Products Co
LINE RIDER: Herbicides—DIAMOND ALKALI CO
LINORESINATE: Driers—HARSHAW CHEM CO
LIN-X: Varnishes—SHERWIN-WILLIAMS CO

►LION, LION NATURALUBE: Fertilizers; Oils, lubricating—Monsanto Chem Co

►LION NOKORODE: Rust-proof coatings—Monsanto Chem Co

LIQRENE: Crude tall oil—W Va Pulp & Paper Co, Industrial Chem Sales Div
LIQUIBOR: Brake fluids—UNITED STATES BORAX & CHEM CORP
LIQUI-DET: Liquid multi-purpose detergent—Oakite Products
LIQUID ENVELOPE: Protective coatings—BETTER FINISHES & COATINGS
LIQUID NOXFISH: Control of rough fish— S B PENICK & CO
LIQUILAN: Liquid lanolin ester compound—Robinson Wagner Co
LUIQUI LUBE: Dispersing agent, rubber; Lubricants, rubber mold—DuBois Co
LITHCOTE: Protective coatings—Lithcote Corp
LITHOTONE: Developer, photographic—MALLINCKRODT CHEM WORKS
LOAD-LOK: Adhesives—National Starch & Chem Corp
LOCK-EASE: Graphited lock fluid—American Grease Stick Co
LO-FAT: Soybean flour—A E Staley Mfg Co
LOMAR: Dispersing agents; Suspension agents—JACQUES WOLF & CO
LOOB: Lubricants: Plastics—DuBois Co
LOOBASE: Soap bases—DuBois Co

►LOOSOL: Inhibitors, sludge—Eastman Chem Products

LOROL: Fatty alcohols—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
LOTOL: Compounded latices—Naugatuck Chem Div
LOUISIANA ROCK: Products—Diamond Crystal Salt Co
LOUPOLE: Textile boil-off assistants—JACQUES WOLF & CO
LOXON Masonry coating—SHERWIN-WILLIAMS CO
LOX-SEAL: Cement, liquid—Lox Mfg Co
LOX-STIX: Glue, solidified—Lox Mfg Co
LUBARS: Soap bases—DuBois Co
LUBE-A-TUBE: Drawing lubricant—G Whitfield Richards
LUBE WELL: Cutting, drawing lubricant—G Whitfield Richards
LUBREX: Mold lubricant—HARWICK STANDARD CHEM CO
LUBRICIN: Additives, lubricant—BAKER CASTOR OIL CO
LUBRI-FLO: Mold lubricant—HARWICK STANDARD CHEM CO
LUBRO: Drawing lubricant — G Whitfield Richards
LUCIDOL: Benzoyl peroxide—LUCIDOL DIV, WALLACE & TIERNAN INC
LUCITE: Acrylic resin—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
LUDIGOL: Kier assistants—ANTARA CHEM DIV
LUDOX: Colloidal silica—E I du Pont de Nemours & Co, Grasselli Chem
LUMARITH: Plastics, cellulose acetate—Celanese Corp of America, Plastics Div
LUMICREASE: Dyes, direct—Sandoz, Inc
LUMIGRAPHIC: Fluorescent color—Imperial Color Chem & Paper Corp
LUMINITE: Refractory cement—Universal Atlas Cement
LUPERCO: Organic peroxide compounds—LUCIDOL DIV, Wallace & TIERNAN INC
LUPERSOL: Organic peroxide solutions—LUCIDOL DIV, WALLACE & TIERNAN INC
LUPEROX: Organic peroxide pastes—LUCIDOL DIV, WALLACE & TIERNAN INC
LUPHITE: High speed lubricant—Kano Labs
LUPOGUM: Sizes; Locust bean gum—JACQUES WOLF & CO
LUPOMIN: Textile agents—JACQUES WOLF & CO
LUPOSOL: Resin & gum dispersions—JACQUES WOLF & CO
LUREX: Metallic yarn—DOW CHEM CO
LUSTAN: Lubricant, glass mold—ESSO STANDARD OIL CO
LUSTAWAX: Leather finishing agents—B B Chem Co
LUSTRAL: Enamels—SHERWIN-WILLIAMS CO
LUSTRALITE: Products—Globe Chem Co
LUSTRA-SHEEN: Leather finishing agents—B B Chem Co

►LUSTREX: Polystyrene—Monsanto Chem Co

►LUSTRONE: Lacquers, leather finishing—Rohm & Haas Co

LUXANTHRENE: Dyes, vat—H P Rossiger & Co
LYCEDAN: Adenosine-5-phosphoric acid—Schwarz Labs

►LYKOPON: Sodium hydrosulfite—Rohm & Haas Co

LYNOL: Textile fiber oil—Borne Chem Co
LYOGEN: Leveling agents, textile—Sandoz, Inc

►LYTRON: Plastics, synthetic — Monsanto Chem Co

M

3M: Iron chrome oxides—Minnesota Mining & Mfg Co, Chem Div
MC-1: Polyester catalyst—Celanese Corp of America, Plastics Div

►M-B-C: Fumigant—American Potash & Chem Corp

MCP: Citrus pectins—Colyer Co
M D A: Methylene disalicylic acid, technical—HEYDEN NEWPORT CHEM CORP
MGK: Products—MCLAUGHLIN GORMLEY KING CO

►MHA: Methionine hydroxy analog — Monsanto Chem Co

M-P-A: Thixotropic, thickening, suspension, anti-floating agent—BAKER CASTOR OIL CO

►MPL: Crosslinking monomers—Borden Chem Co

►MPS-500: Plasticizer, polyvinyl — Hooker Chem Corp

M R: Polyester resins—Celanese Corp of America, Plastics Div

►M-S: Cracking catalyst—Davison Chem Co Div

MSS 32: Inhibited acid—J F HENRY CO
MAGALOID: Hectorite, beneficiated—INERTO CO
MAGGAL: Magnesium oxide—MERCK & CO
MAG-LI-KOTE: Burned dolomite—Moores Lime Co
MAGLITE: Magnesium oxide—Merck & Co, Marine Magnesium Div
MAGMASTER: Magnesium oxide—MICHIGAN CHEM CORP
MAGRON: Vegetable maturant—DOW CHEM CO
MAKON: Products—STEPAN CHEM CO
MALADUSTO: Insecticides, farm, garden—Miller Products Co

►MALAPHOS: Malathion—American Potash & Chem Corp

MALASPRA: Insecticides, farm, garden—Miller Products Co
MALLORY EXTRA: Waterproof finishes—Textile Proofers
MALLORY PRUF: Waterproof finishes—Textile Proofers
MAMARONECK REFINED: Waxes, vegetable—M Argueso & Co
MANNOGAL: Products—MORNINGSTAR-PAISLEY, INC

►MANOL: White mineral oil—Continental Oil Co

MANSUL: Manganese ethylene bis disulfide—Nash Chem Co
MANTEMP: Exothermic ferromanganese—Electro Metallurgical Co
MANZATE: Maneb fungicide—E I du Pont de Nemours & Co, Grasselli Chem
MAPICO: Iron oxide, colors—COLUMBIAN CARBON CO
MAPLEARONE: Products—FLORSASYNTH LABS
MARACARB: Products—Marathon
MARACELL: Water treating chemicals—Marathon Corp
MARACON: Dispersing agents, cement—Marathon Corp
MARAGLAS: Epoxy resin, clear—Marblette Corp
MARASET: Epoxy resin—Marblette Corp
MARASPERSE: Lignosulfonates, dispersants & emulsion stabilizers—Marathon Corp
MARATAN: Tanning extracts—Marathon Corp
MARBLETTE: Phenolic resins—Marblette Corp
MARCALEAK: Leak detector—MAHER COLOR & CHEM CO
MARCANOL: Boil-off compounds—MAHER COLOR & CHEM CO
MARCO: Chemical dyestuffs—MAHER COLOR & CHEM CO
MARCO: Resins, polyester—Celanese Corp of America, Plastics Div
MARCOCIDE: Softeners, textile—MAHER COLOR & CHEM CO
MARCO DEFOAMERS: Defoamers—MAHER COLOR & CHEM CO
MARCO FAST LIQ COLORS: Colors, soap—MAHER COLOR & CHEM CO
MARCOPEL: Water repellents, textile—MAHER COLOR & CHEM CO
MARCOPEN: Penetrating agents, leather—MAHER COLOR & CHEM CO
MARCOSEPT: Fungicides, leather, textile—MAHER COLOR & CHEM CO
MARCOTERGE: Scouring compounds, textile—MAHER COLOR & CHEM CO
MARCOTHIA: Thixotropic polyester resins—Celanese Corp of America, Plastics Div
MARCOWET: Wetting agents—MAHER COLOR & CHEM CO
MARFLEX: Glue—Swift & Co, Adhesive Products Dept
MARINCATE: Magnesium trisilicate—Merck & Co, Marine Magnesium Div
MARINCO: Magnesium oxides, hydroxides, carbonates—Merck & Co, Marine Magnesium Div
MARK: Stabilizers—ARGUS CHEM CORP
MARLATE: Insecticides—E I du Pont de Nemours & Co, Grasselli Chem
MARLEX 50: Polyethylene—Phillips Chem Co
MARVAL-DRI: Textile water repellents—FINETEX INC
MARVIBOND: Plastic-metal laminate—Naugatuck Chem Div
MARVINOL: Resins, polyvinyl chloride—Naugatuck Chem Div
MASH-NIC: Insecticide—DIAMOND ALKALI CO
MASKROME: Masking salts—Fiber Chem Corp
MASTERCOLOR: Plastic color dispersions—American Molding Powder & Chem Corp
MAT-O-WASH: Cleaners, laundry—DIAMOND ALKALI CO
MAWALAC: Protective coating—Maas & Waldstein Co
MAYVAT: Dyes—Otto B May
McLUBE: Molybdenum disulfide and graphite lubricants—McGee Chem Co, Inc
MEARLMAID: Pearl essence, natural—MEARL CORP
MEDIALAN: Surface-active agents—ANTARA CHEM DIV
MEELIUM: Chemical deodorant—Prentiss Drug & Chem Co
MEI-WEI-FEN: Sodium glutamate—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS DEPT

►MEKON: Microcrystalline, hard & brittle—Warwick Wax Div

MELEINE: Gas fading inhibitors—JACQUES WOLF & CO
MELLO-GREEN: Lawn & garden fertilizer mixed—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
MELOJEL: Starches, food—National Starch & Chem Corp

►MELOSTRENGTH: Melamine-formaldehyde resin—American Cyanamid Co, Industrial Chem Div

MELSAN: Fungicides—E I du Pont de Nemours & Co, Grasselli Chem

►MELTOPAX: Sodium zirconium silicate—Titanium Alloy Mfg Div, National Lead Co

MELURAC: Resin adhesives—American Cyanamid Co, Plastics & Resins Div
MEMA: Seed disinfectant—Chipman Chem Co
MEND-ALL: Wood-plastic; Glue; Cement—Gill Chem Products
MENNEE COLOR: Lacquers, paints—Pennsylvania Lacquer Center
MENTOR: Oil, absorption—ESSO STANDARD OIL CO
MENTOR: Detergents—Colgate-Palmolive Co
MEON: Textile surfactant—Borne Chem Co
MERAC: Rubber accelerators, compounding materials—PENNSALT CHEM CORP
MECADIUM: Cadmium mercury red—Imperial Color Chem & Paper Corp

►MERCATE: Antioxidants—Merck Chem Div

MERFENELOPE: Paper mill slimicide—F W Berk & Co
MERIX: Products—Merix Chem Co

►MERSIZE: Paper size—Monsanto Chem Co

MESOLITE: Phenyl mercuric compound—F W Berk & Co

►MERTONE: Blueprint, pretreatment—Monsanto Chem Co

►MERTAX: Rubber accelerator—Monsanto Chem Co

MERSYNATE: Slimicide—Gallowhur Chem Corp
METAFOS: Sodium hexametaphosphate—RUMFORD CHEM WORKS
METALATE: Laundry chemical—DIAMOND ALKALI CO

►METALLAC: Zinc stearate—Nopco Chem Co

METALUSTRE: Protective coating—Maas & Waldstein Co
METALUX: Silver polish—Uncle Sam Chem Co
METASAN: Fungicide paint—METALSALTS CORP

►METASAP: Soaps—Metasap Chem Co

META-SOL 57: Paint additive—METASALTS CORP

►METAVIS: Grease bases—Metasap Chem Co

METEOR: Zinc sulfate, monohydrate—Chemical & Pigment Co

►METHAC: Methyl acetate—Borden Chem Co

METHIACIL: 6-Methylthiouracil—Schwarz Labs
METHOCEL: Methylcellulose—DOW CHEM CO
METHOLENE: Fatty esters—EMERY INDUSTRIES

►METHOX: Plasticizers, resin, cellulose—Food Machy & Chem Corp, Chems & Plastics Div

METHOXO: Insecticides, farm, garden—Miller Products Co
METHYLON: Coating resin—General Elec Co, Chem Materials Dept
METO: Tung oil methylester—Pacific Vegetable Oil Corp

►METSO DETERGENTS: Sodium silicates—Philadelphia Quartz Co

MEXOTHONE: Selective weed-killer—Chipman Chem Co
MICAFIL: Vermiculite—California Stucco Products of NE
MICALITE: Micaceous aluminum silicate—WHITTAKER, CLARK & DANIELS
MICA MIST: Products—Western Chem & Mfg Co
MICATEX: Mica—Baroid Div, National Lead Co

►MICHELENE: Surface active agents — M Michel & Co

►MICRASOL: Vitamin concentrate—Nopco Chem Co

►MICRATIZED: Vitamin concentrates—Nopco Chem Co

MICRO-CEL: Filler, synthetic calcium silicate—JOHNS-MANVILLE
MICROCITE 15: Fillers, adsorbents, pigments—Summit Mining Corp
MICROCOP: Chemicals, agricultural—Miller Products Co
MICRO CRATER: Sulfur, agricultural—Miller Products Co
MICROFOAM: Disposal plants—United States Petrochem Co
MICROIL: Engineered instrument oil—Kano Labs
MICROMUL: Imitation flavor bases—Dodge & Olcott
MICRONEX: Carbon black—COLUMBIAN CARBON CO
MICRONIUM: Corrosion control—United States Petrochem Co
MICRO NU-COP: Copper fungicide—FAESY & BESTHOFF
MICRO-SEAL: Coatings, corrosion control—Anderson-Prichard Oil Corp
MICROSHEEN: Bottle washing compound—INLAND CHEM COP
MICROSLUDGE: Sludge preventive, remover—United States Petrochem Co
MICOCHLOR: Cleaning compound—INLAND CHEM CORP
MICROSOL: Diesel fuel oil additive—United States Petrochem Co
MICROTAN: Tanning agents—Reilly-Whiteman-Walton Co
MIDAS: Pigments, plastic—ARGUS CHEM CORP
MIDLAND VAT BLUE R: Brominated indigo vat dye—DOW CHEM CO
MIGHTY-MULSE: Cleaners—Octagon Process, Inc
MI-GEE: Methylene iodide—National Biochem Co
MIKE SULFUR: Agricultural sulfur—DOW CHEM CO
MILBREW: Brewers dried yeast—Milbrew Co
MILDUCIDE: Bactericide, Fungicide—Royce Chem Co
MILDUGARD: Protective coating—Maas & Waldstein Co
MILLICAL: Calcium carbonate—DIAMOND ALKALI CO
MILLI-MIKE: Emulsion, wax; Waxes—Fuld Bros
MILO: Starch—CORN PRODUCTS CO
MIMER 1: Copper-8-quinolinolate—FISHER CHEM CO
MINERALEAD: Jointing compounds—Atlas Mineral Products Co
MINERALITE: Products—Mineralite Sales Corp
MINEROL: Textile fiber conditioner—Borne Chem Co
MINIT: Differential blood stain—Belray Chem Co
MINOTINT: Fugitive tints—Borne Chem Co
MINUCLEIN: Tonic nucleates—Schwarz Labs
MIRAGLO: Ink—California Ink Co
MIRAJET: Ink—California Ink Co
MIRANOL: Surface active agents—Miranol Chem Co
MIRASOL: Resins, alkyd—C J Osborn Co
MIRAWHITE: Optical bleaches—HILTON-DAVIS CHEM CO DIV
MISMO-BEESWAX: Stabilized beeswax—International Wax Refining Co
MISTO: Ink—California Ink Co
MISTOFUME: Insecticides—S B PENICK & CO
MIXEVAN: Vanilla flavored powder—David Michael & Co, Inc
MOBY DICK: Oils, sperm—Werner G Smith
MODERN CHEMICAL HYDRATE: Lime hydrated— H E Millard Lime & Stone Co

►MODICOL: Latex thickening agents—Nopco Chem Co

MODULEX: Carbon black—J M HUBER CORP
MODX: Vulcanization leveller, rubber—C P Hall Co
MOELLON: Fat liquor—Fiber Chem Corp
MOGUL: Carbon black—GODFREY L CABOT
MOGUL: Cereal binder—CORN PRODUCTS CO
MOLACCO: Carbon black—COLUMBIAN CARBON CO
MOLE: Sulfur—OLIN MATHIESON CHEM CORP, INDUSTRIAL CHEMS DIV
MOLLESCAL: Leather treating compounds—ANTARA CHEM DIV
MOLYKOTE: Lubricants—Alpha Molykote Corp
MOLY-GRO: Molybdenum trace element compositions—Climax Molybdenum Co
MONAMID: Alkylolamides—Mona Industries, Inc
MONAMINE: Condensates, fatty acidamine—Mona Industries, Inc
MONAQUEST: Sequestrants—Mona Industries, Inc
MONARCH: Carbon black, channel—GODFREY L CABOT
MONARCHROME: Chrome phthalocyanine green—Imperial Color Chem & Paper Corp
MONASTRAL: Pigments—E I du Pont de Nemours & Co, Pigments Div
MONAWET: Wetting agents—Mona Industries, Inc
MONDUR: Isocyanates—Mobay Chem Co
MONEL: Nickel-copper alloys—International Nickel Co
MONEX: Accelerator, rubber—Naugatuck Chem Div

►MONOBED: Resins, ion-exchange—Rohm & Haas Co

MONOCHROME: Dyes, acid—GENERAL DYESTUFF CO

►MONOLENE: N(2-hydroxypropyl) ethylenediamine—Wyandotte Chem Corp

MONOLINE: Plastic refractory—Quigley Co

►MONOMAN: Manganese sulfate—Tennessee Corp

MONOPEEN: Synthetic "hammered" finish—Interchem Corp, Finishes Div
MONOPENTEK: Monopentaerythritol—HEYDEN NEWPORT CHEM CORP

►MONOPLEX: Plasticizers, monomeric—Rohm & Haas Co

MONOPOLE: Sulfonated oils—JACQUES WOLF & CO

►MONOSULF: Emulsifying oils—Nopco Chem Co

MONOTAN: Products—JACQUES WOLF & Co

►MONTAR: Synthetic resin—Monsanto Chem Co

MOON: 99% USP C P glycerine—Procter & Gamble Co
MORCOWET: Wetting agents—MORTON-WITHERS CHEM CO

►MOREA PREMIX: Feed supplement—U S Industrial Chem Div

MORECROP: Dolomitic hydrated lime—Moores Lime Co
MORFLEX: Plasticizers—MORTON-WITHERS CHEM CO
MORLEX: Corrosion inhibitors—UNION CARBIDE CORP
MOROC: Binders, core—DIAMOND ALKALI CO
MORPEL: Petroleum sulfonates — MORTON-WITHERS CHEM CO
MOSKENE: Musk, synthetic—GIVAUDAN
MOTHOMAT: Moth preventives—Uncle Sam Chem Co
MR N: Ammonium nitrate fertilizer—Spencer Chem Co
MULE: Flour sulfur—OLIN MATHIESON CHEM CORP
MULSORS: Dispersing agents—SYNTHETIC CHEMS
MULTIFEX M M: Calcium carbonate—DIAMOND ALKALI CO
MULTIFOS: Tribasic calcium phosphate—INTERNATIONAL MINERAL & CHEM CORP, PHOSPHATE CHEM DIV
MULTILOK: Adhesives—National Starch & Chem Corp
MULTI-TOX: Products—Thompson Chems Corp
MULTI-TRACIN: Trace element plant nutrient—Puget Sound Pulp & Timber Co
MULTIWAX: Microcrystalline wax—PETROLEUM SPECIALTIES
MULTRATHANE: Urethane elastomer—Mobay Chem Co
MULTRON: Resins, polyester—Mobay Chem Co
MURAC: Acid inhibitor—COWLES CHEM CO
MUSK TIBETENE: Musk, synthetic—GIVAUDAN
MYCOBAN: Sodium, calcium propionate—E I du PONT de NEMOURS & CO, POYCHEM DEPT
MYLASE: Enzymes, industrial—Wallerstein Co
MYLONE: Soil conditioner, fumigant, nematocide—UNION CARBIDE CORP
MYRJ: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV
MYVACET: Acetylated glycerol esters—DISTILLATION PRODUCTS INDUSTRIES DIV
MYVAX: Vitamin A—DISTILLATION PRODUCTS INDUSTRIES DIV
MYVEROL: Glycerol monoesters—DISTILLATION PRODUCTS INDUSTRIES DIV

N

►N: Sodium silicate—Philadelphia Quartz Co

NC: Soil compound—E I du Pont de Nemours & Co, Grasselli Chems Dept
N5DS, N5X: Bactericide, fungicide—Gallowhur Chem Corp

►N-30: Petroleum products—Monsanto Chem

►NP-10: Plasticizers, polymeric — Eastman Chem Products

N-Z-AMINE: Protein hydrolysate—SHEFFIELD CHEM DIV
N-Z-CASE: Protein hydrolysate—SHEFFIELD CHEM DIV

►NABOR: Basic dyes—Allied Chem Corp, National Aniline Div

►NACAN: Oxidizing agent, mild—Allied Chem Corp, National Aniline Div

►NACCO: Dyes, garment—Allied Chem Corp, National Aniline Div

►NACCOGENE: Stabilized azoic dyes—Allied Chem Corp, National Aniline Div

►NACCOLENE: Detergents — Allied Chem Corp, National Aniline Div

►NACCONATES: Diisocyantes—Allied Chem Corp, National Aniline Div

►NACCONOL: Detergents—Allied Chem Corp, National Aniline Div

►NACCOSOL: Wetting agents—Allied Chem Corp, National Aniline Div

►NACCOTAN: Dispersing agent, tanning—Allied Chem Corp, National Aniline Div

►NACCUFIX: Dye fixative — Allied Chem Corp, National Aniline Div

►NACELAN: Dye, dispersed—Allied Chem Corp, National Aniline Div

NACENE: Odorant—SINDAR CORP
NACROMER: Pearl pigment, synthetic—MEARL CORP

►NACROSOL: Organic pigments — Allied Chem Corp, National Aniline Div

NADEX: Adhesives—National Starch & Chem Corp

►NADIC: Endo-cis-bicyclo(2.2.1)-5-heptene-2,3-dicarboxylic—Allied Chem Corp, National Aniline Div

►NADONE: Cyclohexanone — Allied Chem Corp, National Aniline Div

NAFIL: Resins, Isocyanate—Chase Chem Corp
NAKTA: Grease—ESSO STANDARD OIL CO
NALCAT: Catalysts, petroleum—National Aluminate Corp
NALCITE: Resins, ion-exchange—National Aluminate Corp
NALCO: Products—National Aluminate Corp
NALCOAG: Silica, hydrated, colloidal solution—National Aluminate Corp
NALCOMO: Desulfurization catalyst—National Aluminum Corp
NALEX: Starch—National Starch Products
NALFORM: Reforming catalyst—National Aluminum Corp
NALZIN: Stabilizer, vinyl—NATIONAL LEAD CO
NAPHTHANIL: Diazo bases—E I du Pont de Nemours & Co, Pigments Div
NASUL: Sodium ethylene bis disulfide—Nash Chem Co
NATAC: Rubber compounding material—J M HUBER CORP
NATIONAL: Anhydrous ammonia—BARADA & PAGE

►NATIONAL: Products—Allied Chem Corp, National Aniline Div

NATIONAL: Carbon and graphite—NATIONAL CARBON Co
NATIONAL: Western bentonite—BAROID CHEMS
NATOX: Sodium oxalate—VICTOR CHEM WORKS
NATRACAL: Inorganic water-soluble cellulose ether—HERCULES POWDER CO
NAUGAPOL: Rubber, synthetic—Naugatuck Chem Div
NAUGATEX: Synthetic latices—Naugatuck Chem Div
NAUGETS: Pelletized chemicals—Naugatuck Chem Div

►NAXOL: Cyclohexanol—Allied Chem Corp, National Aniline Div

NAXONATE: Sodium xylenesulfonates—**NEASE CHEM CO**
NEANTINE: Perfume fixative (diethyl phthalate)—GIVAUDAN
NEAR-A-LARD: Cutting, drawing lubricant—G Whitfield Richards
NEBONY: Petroleum hydrocarbon resin—NEVILLE CHEM CO
NEBULA: Grease—ESSO STANDARD OIL CO
NECTON: Oil, process—ESSO STANDARD OIL CO
NEELIUM: Jointing compound—Atlas Mineral Products Co
NEETOL: Fat liquors—DIAMOND ALKALI CO
NEKAL: Wetting agent—ANTARA CHEM DIV

►NEMAFUME N: Soil fumigant—American Potash & Chem Corp

NEMAGON: Soil fumigant—Shell Chem Corp
NEOBAKASAL: Non-sodium salt substitute—Sterwin Chems, Inc
NEOBON: Coatings, putty products—Atlas Mineral Products Co

►NEO-CEBICURE: Meat-curing preparation—Merck Chem Div

►NEO-CEBIMIX: Meat-curing preparation—Merck Chem Div

►NEO-CEBITABS: Meat-curing preparation—Merck Chem Div

►NEO-CEBITATE: Meat-curing preparation—Merck Chem Div

NEOCHROME: Chrome tanning agents—Fiber Chem Corp
NEOCOAT: Coatings; Paints; Thinners—PENNSALT CHEM CORP
NEOCRYL: Acrylic emulsion polymers—Polyvinyl Chem

►NEO-FATS: Fatty acids—Armour Industrial Chem Co

NEO-GERM-I-TOL: Germicide—FINE ORGANICS
NEOGLOSS: Leather finish—Fiber Chem Corp

►NEOLENE 400: Detergent, alkylate—Continental Oil Co

NEOLINE: Coatings; Thinners—PENNSALT CHEM CORP
NEOMAG: Magnesium oxide—Philip Carey Mfg Co

NEOPONE: Detergents; Emulsifiers—ULTRA CHEM WORKS DIV
NEOREZ: Polystyrene emulsions—Polyvinyl Chem
NEOSAPON: Synthetic emulsifiers—Fiber Chem Corp
NEOSOL A: Solvent—Shell Chem Corp
NEO SPECTA: Carbon black—COLUMBIAN CARBON CO
NEOTHRIN: Spray—Thompson Chems Corp
NEO-TONE: Sours, laundry—DIAMOND ALKALI CO
NEOVAC: Polyvinyl acetate emulsions—Polyvinyl Chem
NEOWAX: Sole leather finish—Fiber Chem Corp
NEOWET: Wetting agent—Fiber Chem Corp
NEOWETS: Wetting agents—Royce Chem Co
NEOWHITE: Whitener, fluorescent—Fiber Chem Corp
NEOZYMES: Desizing agents—Royce Chem Co
NEPOXIDE: Coatings, paints—Atlas Mineral Products Co
NEPTON: Water repellents, textile—Crown Chem Corp
NEROFIL: Processed carbon filteraid, filler—Great Lakes Carbon Corp, Mining & Mineral Products Div
NEUTRA-GLOSS: Wax emulsions—DuBois Co
NEUTRAL 50: Cleaners—DIAMOND ALKALI CO
NEUTRALAVE: Soap bases, liquid—DuBois Co

►**NEUTRANYL: Nylon dyes, neutral—Allied Chem Corp, National Aniline Div**

NEUTRIGAN: Leather treating compounds—ANTARA CHEM DIV
NEUTROL: Products—Filtrol Corp
NEUTROLAIR: Deodorant—Fritzsche Bros
NEUTROLENE: Fat liquors—DIAMOND ALKALI CO
NEUTROLEUM: Deodorants—Fritzsche Bros

►**NEUTRONYX: Non-ionic surface active agents—Onyx Oil & Chem Co**

NEUTROSCENT: Deodorants—Fritzsche Bros
NEVASTAIN: Rubber antioxidants—NEVILLE CHEM
NEVILLAC: Indene resins, phenol modified coumarone—NEVILLE CHEM CO
NEVILLE: Foundry coke; ferromanganese; pig iron—PITTSBURGH COKE & CHEM CO
NEVILLE RESIN: Indene resin, coumarone—NEVILLE CHEM CO
NEVILLITE: Indene resins, hydrogenated coumarone—NEVILLE CHEM CO
NEVINDENE: Indene resins, coumarone—NEVILLE CHEM CO
NEVINOL: Plasticizing oil—NEVILLE CHEM CO
NEVITE: Sodas, laundry—DIAMOND ALKALI CO
NEVSOLV: Petroleum aromatic solvents—NEVILLE CHEM CO

►**NIACET: Acetate salts—Union Carbide Corp**

►**NIAGARA: Dyes, direct—Allied Chem Corp, National Aniline Div**

►**NIAGATHOL: Tetrachlorophthalic anhydride—Hooker Chem Corp**

►**NIALK: Products—Hooker Chem Corp**

NIAPROOF: Aluminum acetate, basic—UNION CARBIDE CORP
NIAX: Polyoxethylene resins—UNION CARBIDE CORP
NIBRITE: Nickel addition agents—HARSHAW CHEM CO

►**NICARB: Coccidiostat, feed use—Merck Chem Div**

NICOLMELT: Adhesive—BOLER PETROLEUM CO

►**NICOMO 1: Hydrogen treating catalyst—Davison Chem Co Div**

NILE: Dyes, acid—GENERAL DYESTUFF CO
NILUSTRE: Protective coatings—Maas & Waldstein Co
NIMCO: Lanolin, anhydrous & hydrous—N I Malmstrom & Co
NIMLESTEROL: Cholesterol emulsifier—N I Malmstrom & Co
NINATE: Products—STEPAN CHEM CO
NINEX: Products—STEPAN CHEM CO
NINOL: Products—STEPAN CHEM CO
NINOX: Products—STEPAN CHEM CO
NI-HARD: Processed irons, 4-5% nickel—International Nickel Co
NI-O-NEL: Nickel-iron-chromium alloy—International Nickel Co
NI-RESIST: Processed irons, 14-36% nickel—International Nickel Co

►**NIRAN: Parathion insecticide—Monsanto Chem Co**

NIRUS: Antirust—SYNTHETIC CHEMS, INC.
NITREX: Latices, acrylonitrile polymers—Naugatuck Chem Div
NITROCOL: Pigment dispersions—C J Osborn Co
NOBS: Accelerator—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
N'ODOR SPRITE: Activated charcoal—Collier Carbon & Chem Corp
NODULOY: Alloys—Vanadium Corp of America
NOGAS: Pickling agent—E I du Pont de Nemours & Co, Grasselli Chem

►**NOKARB: Clays, filler—Minerals & Chem Corp of America**

►**NOKORODE: Coatings; Sealants; Rust preventives—Monsanto Chem Co**

NON-FER-AL: Calcium carbonate—DIAMOND ALKALI CO
NON-FLUID OIL: Lubricants—N Y & N J Lubricant Co
NONIC: Surface active agents, nonionic; Detergents—PENNSALT CHEM CORP
NONISOL: Esters, polyethylene glycol—Geigy Industrial Chems Div
NON-SKUFF: Floor wax—Uncle Sam Chem Co
NON-WARP: Adhesives—National Starch & Chem Corp
NO-ODOROL: Oils, finishing—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**NOPALCOL: Polyethelene glycols—Nopco Chem Co**

►**NOPCAINE: Feed chemicals—Nopco Chem Co**

►**NOP-CAP: Calcium pantothenate—Nopco Chem Co**

►**NOPCAY: Vitamin concentrates — Nopco Chem Co**

►**NOPCO 85 & 100: Vitamin concentrates—Nopco Chem Co**

►**NOPCO JMK, JMU, JMV, KCT, KF, KFC, LDC, LDF & LDV: Defoamers—Nopco Chem Co**

►**NOPCO MF: Wetting agents—Nopco Chem Co**

►**NOPCO-R: Riboflavin—Nopco Chem Co**

►**NOPCO SPECIAL: Vitamin concentrates—Nopco Chem Co**

►**NOPCO X, XX & XXX: Vitamin concentrates—Nopco Chem Co**

►**NOPCOB: Textile oils—Nopco Chem Co**

►**NOPCOBOND: Antistripping agents—Nopco Chem Co**

►**NOPOCASTOR: Textile penetrants—Nopco Chem Co**

►**NOPCOCHEX: Corrosion inhibitors—Nopco Chem Co**

►**NOPCOCOD: Leather treating compounds—Nopco Chem Co**

►**NOPCOFOAM: Resins, polyurethane—Nopco Chem Co**

►**NOPCOGEN: Cationic surface active agents—Nopco Chem Co**

►**NOPCOL: Leather finishing agents—Nopco Chem Co**

►**NOPCOLENE: Fat liquors—Nopco Chem Co**

►**NOPCOLUBE: Antistatic agents — Nopco Chem Co**

►**NOPCOM: Vitamin concentrates—Nopco Chem Co**

►**NOPCONE: Textile oils—Nopco Chem Co**

►**NOPCO-PAK: Feed chemicals—Nopco Chem Co**

►**NOPCOROL: Lubricants, metal-working—Nopco Chem Co**

►**NOPCOSET: Polyvinyl acetate emulsions—Nopco Chem Co**

►**NOPCOSIZE: Resins—Nopco Chem Co**

►**NOPCOSOL: Vitamin concentrates — Nopco Chem Co**

►**NOPCOSORB: Emulsifiers—Nopco Chem Co**

►**NOPCOSTAT: Textile oils—Nopco Chem Co**

►**NOPCOSULF: Sulforated oils—Nopco Chem Co**

►**NOPCOTAL: Sulforated tallow—Nopco Chem Co**

►**NOPCOTE: Paper chemicals—Nopco Chem Co**

►**NOPCOTEX: Textile softeners—Nopco Chem Co**

►**NOPCOV: Sulfonated oils—Nopco Chem Co**

►**NOPCOVAR: Metallic soaps—Nopco Chem Co**

►**NOPCOWAX: Waxes, synthetic — Nopco Chem Co**

►**NOPCOWET: Wetting agents—Nopco Chem Co**

►**NOPCOWITE: Leather treating compounds—Nopco Chem Co**

►**NOPDEX: Vitamin concentrates — Nopco Chem Co**

►**NOP-DRY: Vitamin concentrates—Nopco Chem Co**

►**NOP-SOL: Vitamin concentrates — Nopco Chem Co**

►**NOPVITE: Vitamin E—Nopco Chem Co**

NORANE: Water repellents, textile—Warwick Chem Co Div
NORIT: Activated carbon—L A SALOMON & BRO
NORIT: Activated carbon—American Norit Co
NORLIG: Products—Marathon
NORMASAL: Stabilizer, vinyl—NATIONAL LEAD CO
NORVAL: Grease, high temperature—ESSO STANDARD OIL CO

►**NOR'WAY: Methanol antifreeze; automotive chemicals—Commercial Solvents Corp**

NOVON: Herbicide—DOW CHEM CO
NUCHAR: Carbon, activated—W Va Pulp & Paper Co, Industrial Chem Sales Div
NUCHROME: Tannages, chrome—Fiber Chem Corp
NU FILM: Starch—National Starch & Chem Corp
NU-GLO: Silicone furniture polish—Uncle Sam Chem Co
NU-HIDE: Drum coating—A Adler & Son

►**NU IRON: Iron chelate—Tennessee Corp**

NULLAPON: Sequestering agents—ANTARA CHEM DIV

►**NUMANESE: Manganese oxide (ous)—Tennessee Corp**

NU-MET: Cleaners—DIAMOND ALKALI CO
NU NAP: Felt washing compound—COWLES CHEM CO
NUPRINT: Protective coatings—Maas & Waldstein Co
NUREXFORM: Lead arsenate—E I du Pont de Nemours & Co, Grasselli Chem
NUSWEET: Corn syrup—Clinton Corn Processing Co
NUTO: Lubricating oil—ESSO STANDARD OIL CO
NUTRALAC: Cream neutralizer—DIAMOND ALKALI CO
NUTRICOL: Algin carrageenin compounds—MARINE COLLOIDS, INC
NUTRO: Mixed fertilizer—Smith-Douglass Co
NUTROLENE: Liquid fertilizer—Smith-Douglass Co
NUTRONITE: Tankage—Smith-Douglass Co

►**NUZ: Horticultural chemical—Tennessee Corp**

NYLOX: Cements, setting, paint brushes—H V Hardman Co

O

►**O: Sodium silicate—Philadelphia Quartz Co**

O & W COMPOUND: Cleaners, laundry—DIAMOND ALKALI CO
OAKITE: Products—Oakite Products
OAKOMETER: Solution control instrument—Oakite Products
OCTABRITE: Metal brighteners—Octagon Process Inc
OCTAGON: Products—S B PENICK & CO
OCTAGON: Soaps—Colgate-Palmolive Co
OCTASOL: Driers—HARSHAW CHEM CO
OCTASTRIP: Solvent paint strippers—Octagon Process Inc
ODRENE: Odorant—SINDAR CORP
OHIO: Lime, hydrated, white finishing—Ohio Lime Co

►**OHIO-APEX: Plasticizers—Food Machy & Chem Corp, Chems & Plastics Div**

OILDAG: Colloidal graphite in petroleum oil—Acheson Colloids Co

►**OHOPEX: Plasticizers, resin—Food Machy & Chem Corp, Chems & Plastics Div**

OIL COLOR: Fluorescent colors for lubricating oils—PATENT CHEMS
OILFOIL: Laminated bearing seals—American Felt Co

►**OILPHOS: Drilling mud conditioner—Monsanto Chem Co**

OILZUM: Lubricating oils—White & Bagley Co
OKEMCO: Cleaners, metal—Oakite Products
OL: Preservative, fungicide, slimicide—Gallowhur Chem Corp

►**OLDBURY: Products—Hooker Chem Corp**

OLIVAROME: Products—FLORASYNTH LABS
OLIVESCO: Built soap—COWLES CHEM CO
OMYA: Calcium carbonate, chalk whiting—Pluess-Staufer (North American)
ONAMIDS: Polyamide resins—OLIN MATHIESON CHEM CORP

►**ONYXIDE: Algicides—Onyx Oil & Chem Co**

►**ONYXSAN: Textile softeners—Onyx Oil & Chem Co**

►**OPALON: Vinyl chloride—Monsanto Chem Co**

OPALWAX: Oil, castor; Wax, synthetic—BAKER CASTOR OIL CO
OPENTEINE: Perfume base—S B PENICK & CO

►**OPAX, OPAX S: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co**

OPEX: Lacquers; Enamels—SHERWIN-WILLIAMS CO

OPTICLEER: Protective coatings—Maas & Waldstein Co
ORANAP: Alkyl naphthalene sulfonates—JACQUES WOLF & CO
ORATOL L-48: Detergents—JACQUES WOLF & CO
OREL: Rubber lubricant—E I du Pont de Nemours & Co, Finishes Div
ORGANO: Fertilizers, mixes—Miller Products Co

►**OROPON—Enzyme bate—Rohm & Haas Co**

►**OROTAN: Tanning agent, synthetic—Rohm & Haas Co**

ORTHEMUL: Orthodichlorobenzene emulsifier—FINE ORGANICS
ORTHOBRITE: Laundry detergent—DIAMOND ALKALI Co

►**ORTHOCHROM: Lacquers, leather finishing—Rohm & Haas Co**

►**ORTHO-CLEAR: Lacquers, leather finishing—Rohm & Haas Co**

►**ORTHODULL: Dulling agent, leather finishing—Rohm & Haas Co**

ORTHOLATE Laundry detergent—DIAMOND ALKALI CO
ORTHOLEUM: Lubricant assistant, grease stabilizer—E I du Pont de Nemours & Co, Organic Chems Dept

►**ORTHOLITE: Resins, leather finishing—Rohm & Haas Co**

ORTHOPHEN: Anti-skinning agents—PENNSALT CHEM CORP
ORTHOSIL: Sodium o-silicate—PENNSALT CHEM CORP
ORYZYME Enzymes—JACQUES WOLF & Co
ORZAN: Lignin sulfonates—CROWN ZELLERBACH CORP
OTTAFECT: 2-tert.-butyl-4-chloro-5-methylphenol—Ottawa Chem Co
OTTASEPT: p-Chloro-m-xylenol—Ottawa Chem Co
OVAZYME: Glucose oxidase: catalase—Fermco Labs, Inc
OVOTRAN: Miticide—DOW CHEM CO
OXATROL Oxygen absorbent—Feedwaters, Inc
OXFORD DELIGHT: Perfume base—FLORASYNTH LABS
OXIDEX Anti-oxidant—Fritzsche Bros
OXONE: Monopersulfate compound—E I du Pont de Nemours & Co, Electrochem Dept
OXYBAN: Oxygen scavengering packet—Fermco Labs, Inc
OXYCAT: Air pollution controls—Oxy-Catalyst, Inc
OXYLITE: Bleaching agent, flour—Sterwin Chems, Inc
OZARK: Zinc sulfate—SHERWIN-WILLIAMS CO
OZIDE: Zinc oxide—SHERWIN-WILLIAMS CO
OZLO: Zinc oxide, leaded—SHERWIN-WILLIAMS CO
OZOTEX: Microcrystalline wax—L A SALOMON & BRO

P

+5: Line marker—Georgia Marble Co

►**P-252: Bactericide—Commercial Solvents Corp**

►**PA 400: Silica gel—Davison Chem Co Div**

►**PC-1244, 1344: Defoamer—Monsanto Chem Co**

PCMX: p-Chloro-m-xylenol—Ottawa Chem Co
PH-PLUS: Soda ash—OLIN MATHIESON CHEM CORP
PMAS: Phenyl mecuric acetate antiseptic, fungicide—W A CLEARY CORP
PMD: Liquid mothproofer—Dixo Co
PQ: Lubricants, rust preventives—AMERICAN OIL & SUPPLY CO
PRF: Acidproof cements—PENNSALT CHEM CORP

►**PS-18: Monomer-polymer acrylic cement—Rohm & Haas Co**

PT 600: Tar, pine, medium—GODREY L CABOT
PACIFIC CRYSTALS: Sodium sesquicarbonate—COLUMBIA-SOUTHERN CHEM CORP
PACK-O-SUDS: Detergents—Britex Corp
PACO: Solvent, alcohol—PUBLICKER INDUSTRIES

►**PACOL: White mineral oil—Continental Oil Co**

PADASOL: Dye assistants—JACQUES WOLF & CO
PADISCOL: Solvent—Shell Chem Corp
PAINT-GRIP: Phosphating compounds—Octagon Process Inc
PAINT-SAV: Antiskinning agent, paints—Ames Labs
PALADIN: Primers—Interchem Corp, Finishes Div
PALATINE: Dye assistants—GENERAL DYESTUFF CO DIV
PALATONE: Aromatic specialty chemical—DOW CHEM CO
PALKENA: Technical fats—DURA COMMODITIES CORP
PALMILETS: Vitamin A—CHAS PFIZER & CO
PALMOLIVE: Soaps—Colgate-Palmolive Co
PAMPHLEX: Flexible glue—Swift & Co, Adhesive Products Dept
PANAFLEX: Plasticizers—AMOCO CHEM CORP
PANALENE: Olefins—AMOCO CHEM CORP
PANAPOL: Hydrocarbon polymers, resin solutions—AMOCO CHEM CORP
PANAREZ: Resins—AMOCO CHEM CORP
PANASOL: Aromatic hydrocarbon solvents—AMOCO CHEM CORP
PANELAG: Insulation materials—Quigley Co
PAPI: Polymethylene polyphenylisocyanate—Carwin Co

►**PARABAR: Additives, lubricant—Enjay Co**
PARABIS: Anti-parasite composition—DOW CHEM CO

►**PARACIDE: p-Dichlorobenzene — Hooker Chem Corp**

PARACRIL: Rubber, synthetic—Naugatuck Chem Div
PARADENE: Indene resins, coumarene—NEVILLE CHEM CO

►**PARADI: p-Dichlorobenzene — Hooker Chem Corp**

PARADOR: Odorant—SINDAR CORP
PARADOW: p-Dichlorobenzene—DOW CHEM CO
PARADUSTO: Insecticide, farm, garden—Miller Products Co

►**PARADYNE: Inhibitors, gasoline—Enjay Co**

►**PARAFLOW: Additives, pour point depressant—Enjay Co**

PARA-FLUX: Rubber softener—C P Hall Co
PARAKEET: Colors, food, certified—Sterwin Chems, Inc
PARAGON: Clay—J M HUBER CORP
PARALATE: Soap builder—DIAMOND ALKALI CO
PARA-LUBE: Rubber softener oil—C P Hall Co

►**PARAMINS: Additives, petroleum—Enjay Co**

PARAMUL: Repellents—AMERICAN CYANAMID CO, ORGANIC CHEM DIV

►**PARANOX: Additives, lubricant—Enjay Co**

►**PARAPLEX: Alkyd plasticizers; Resins—Rohm & Haas Co**

►**PARAPOID: Additives, lubricant—Enjay Co**

PARASEPTS: Bacteriostatic & fungistatic agents—HEYDEN NEWPORT CHEM CORP

►**PARASHADE: Additives, lubricant—Enjay Co**

►**PARASHEEN: Additives, lubricant—Enjay Co**

PARASPRA: Insecticides, farm, garden—Miller Products Co

►**PARATAC: Additives, lubricant—Enjay Co**

►**PARATONE: Additives, lubricant—Enjay Co**

►**PAREZ: Resins — American Cyanamid Co, Industrial Chem Div**

PARICIN: Acid esters, fatty; Plasticizers—BAKER CASTOR OIL CO
PARLODIAN: Pyroxylin, purified—MALLINCKRODT CHEM WORKS
PARMO: Petrolatum USP—ESSO STANDARD OIL CO
PARNOL: Detergents; Leveling agents—JACQUES WOLF & CO
PAROLITE: Zinc sulfoxylate formaldehyde—Royce Chem Co
PAROIL: Paraffin, chlorinated—Dover Chem Corp
PARSTAINS: Stains, biological—Hartman-Leddon Co
PARZATE: Fungicides—E I du Pont de Nemours & Co, Grasselli Chem
PASCO: Products—Pacific Smelting Co
PAVOLIN: Linseed oil, kettle-bodied—Pacific Vegetable Oil Corp
PAXINOSA: Whiting—C K WILLIAMS & CO
PAYGEL: Wheat starch—General Mills, Special Commodities Div

►**PEAK: Glycol antifreeze—Commercial Solvents Corp**

PEBL-TONE: Protective coatings—Maas & Waldstein Co

►**PECTINOL: Enzymes, pectic—Rohm & Haas Co**

PEDER DEVOLD: Cod liver oils, medicinal—CHAS L HUISKING & CO
PEERLESS: Carbon black—COLUMBIAN CARBON CO
PEETS: Soaps—Colgate-Palmolive Co
PELADOW: Calcium chloride pellets—DOW CHEM CO
PELARGOL: Perfume bases—Fritzsche Bros
PELASPAN: Expandable polystyrene beads—DOW CHEM CO
PELLETEX: Carbon black, pelleted gas furnace—GODFREY L CABOT
PENERTE: Soap builders—PENNSALT CHEM CORP
PENCAL: Calcium arsenate—PENNSALT CHEM CORP
PENCHLOR; FCC: Acidproof cements—PENNSALT CHEM CORP
PENCO: Insecticides—PENNSALT CHEM CORP
PENDANE: Insecticidal formulations—S B PENICK & CO
PENETONE: Cleaner and degreaser—Penetone Co
PENETRANT: Detergents—Oakite Products
PENITE: Weed killers—PENNSALT CHEM CORP
PENITRACIN: Bacitracin—S B PENICK & CO
PENNAC SDB: Rubber accelerators & compounding materials—PENNSALT CHEM CORP
PENN-DRAKE: Petrolatum—Pennsylvania Refining Co
PENNEX: Oil, metal cutting—ESSO STANDARD OIL CO
PENNOX: Products—PENNSALT CHEM CORP
PENNPAINT: Thinners, paint, varnish, lacquer—PENNSALT CHEM CORP
PENNSALT PM 90; PM 95: Acids, inhibited—PENNSALT CHEM CORP
PENNSAN: Corrosion inhibitors—PENNSALT CHEM CORP
PENNSTARCH: Laundry starches—PENNSALT CHEM CORP
PENNTROWEL: Acidproof coatings—PENNSALT CHEM CORP
PENNWOOD: Lubricating oils—W A Wood Co
PEN-O-LED: Lubricant, extreme pressure—ESSO STANDARD OIL CO
PENRECO: Lubricating oils—Pennsylvania Refining Co
PENRESINA: Resin, powered, diluent—S B PENICK & CO
PENSAL: Soap builders—PENNSALT CHEM CORP
PENTA: Products—Thompson Chem Corp
PENTA WR; PLUS 40: Wood preservations—CHAPMAN CHEM CO

►**PENTACITE: Resins, pentaerythritol—Reichhold Chems, Inc**

PENTALENE: Amyl naphthalenes—PENNSALT CHEM CORP
PENTAPHEN: p-tert-Amyl phenol—PENNSALT CHEM CORP
PENTASOL: Amyl alcohols, mixed—PENNSALT CHEM CORP
PENTEK: Pentaerythritol, technical—HEYDEN NEWPORT CHEM CORP
PENTHANCO: Perfume compounds, bulk—S B PENICK & CO
PENTON: Chlorinated polyether—HERCULES POWDER CO
PENVAL: Perfume compounds—S B PENICK & CO
PEPTEX: Cleaner, dairy, farm home—Diversey Corp
PEPTIZAN: Deliming agent—Fiber Chem Corp
PEPTON: Plasticizer—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
PERCHLORON: Bactericides; Acidproof cements—PENNSALT CHEM CORP
PERCLENE: Perchlorethylene—E I du Pont de Nemours & Co, Electrochem Dept
PERDEX: Food preservative compound—Sterol Derivatives
PERDOX: Sodium borate perhydrate—E I du Pont de Nemours & Co, Electrochem Dept
PEREGAL: Textile strippers—ANTARA CHEM DIV
PERFECTA: Petrolatum—L SONNEBORN SONS
PERFECTION: Sodium acid pyrophosphate—VICTOR CHEM WORKS
PERFLOR: Semi-bright nickel addition agent—HARSHAW CHEM CO
PERGLOW: Bright nickel addition agent—HARSHAW CHEM CO
PERMACHROM RED: Red pigments—SHERWIN-WILLIAMS CO
PERMA CIDE: Textile fungicide—REFINED PRODUCTS CORP
PERM-A-CLOR: Metal degreasing solvent—Detrex Chem Industries
PERMA FIX: Dye fixative—REFINED PRODUCTS CORP
PERMAFLEX: Glue—Swift & Co, Adhesive Products Dept
PERMAFRESH: Textile resins—Warwick Chem Co Div
PERMA-GLO: Waxes, floor—Fuld Bros
PERMA GREEN: Metal chelates—REFINED PRODUCTS CORP
PERMA KLEER: Sequestering agents—REFINED PRODUCTS CORP
PERMA PAR K: Detergent—REFINED PRODUCTS CORP
PERMA PAR R: Softening agent—REFINED PRODUCTS CORP
PERMA SET: Resins, textile—REFINED PRODUCTS CORP
PERMA SILENE: Silicone water repellent—REFINED PRODUCTS CORP
PERMA TERGE: Detergents—REFINED PRODUCTS CORP
PERMA WET: Wetting agent—REFINED PRODUCTS CORP
PERMACIDE: Preservatives, wood—Miller Products Co
PERMA-FLO: Antifreeze—Thompson Chem Co
PERMAG: Industrial cleaning compounds—Magnuson Products Corp
PERMAGEN: Pigments, paint—GENERAL DYESTUFF CO
PERMALENE: Detergent—REFINED PRODUCTS CORP
PERMANSA GREEN: Colors, dry, green—SHERWIN-WILLIAMS CO
PERMANSA ORANGE: Colors, dry, orange—SHERWIN-WILLIAMS CO
PERMANSA RED: Colors, dry, red—SHERWIN-WILLIAMS CO
PERMANSA YELLOW: Colors, dry, yellow—SHERWIN-WILLIAMS CO
PERMATOX 10-S: Sodium pentachlorophenate, borax—CHAPMAN CHEM CO
PERM-COTE: Coating—Detrex Chem Industries
PERMEL: Fire retardant—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
PERMOLITH: Lithopone—SHERWIN-WILLIAMS CO
PER MOUNT: Bacteriological mounting medium—FISHER SCIENTIFIC CO
PERMUTIT: Water conditioning equipment—PERMUTIT CO
PEROX: Plastics; Inks—PATENT CHEM

►**PEROXIDOL: Epoxidized plasticizer—Reichhold Chems, Inc**

PERSEC: Dry-cleaning solvent—Frontier Chem Co
PERSOL: Products—Berkshire Color & Chem Corp

►**PERTHANE: Insecticides, synthetic organic—Rohm & Haas Co**

PESTENE: DDT Insecticide—Uncle Sam Chem Co
PESTFRE: Insecticide, farm, garden—Miller Products Co
PESTKIL: Spray base, cattle—Miller Products Co
PETRO BOND: Bonding agent—BAROID CHEMS
PESTMASTER: Products—MICHIGAN CHEM CORP
PETER COOPER GLUE: Products—Peter Cooper Corps
PETROGEL: Explosives—Atlas Powder Co, Explosives Div

►**PETROHOL: Alcohol, isopropyl—Enjay Co**

PETROL: Dyes, petroleum, gasoline—PATENT CHEM
PETROLENE: Solvents, rubber—Anderson-Prichard Oil Corp

PETROLITE: Waxes, microcrystalline—BARECO WAX CO DIV
PETRONITE: Explosives—Atlas Powder Co, Explosives Div
PETROMIX: Emulsifying oils—L SONNEBORN SONS
PETRONATE: Petroleum sulfonate—L SONNEBORN SONS
PETRONAUBA: Waxes, microcrystalline—BARECO WAX CO DIV
PETRONIC ACID: Petroleum sulfonate—L SONNEBORN SONS
PETRO-SEAL: Interior tank coatings—SHERWIN-WILLIAMS CO
PETRO-SURF: Surfactants—Western Chem & Mfg Co

►PETROTHENE: Resins, polyethylene — U S Industrial Chem Co Div

►PHARMASORB: Activated attapulgite, pharmaceutical grade — Minerals & Chems Corp of America

PHARMCO: Ethyl alcohol—PUBLICKER INDUSTRIES
PHENAMINE: Dyes, direct—GENERAL DYESTUFF CO
PHENEX: Rubber accelerator—C P Hall Co
PHENOFORM: Dyes, basic—GENERAL DYESTUFF CO
PHENOWELD: Adhesives, industrial—H V Hardman Co
PHILBLACK: Carbon black—Phillips Chem Co
PHILLIPS 66: Fertilizer—Phillips Chem Co
PHILLIPS 66: Products—PHILLIPS PETROLEUM CO
PHILPRENE: Rubber, synthetic—Phillips Chem Co
PHILRICH 5: Oil, rubber extender—Phillips Chem Co
PHOSDRIN: Insecticide—Shell Chem Corp
PHOSFLAKE: Alkali bottle cleaners—COLUMBIA-SOUTHERN CHEM CORP
PHOS-O-BRITE: Detergent acid cleaner, liquid—Britex Corp
PHYGON: Fungicides; Algicides—Naugatuck Chem Div
PHYTOCIDE: Products—Thompson Chem Corp
PICCOLASTIC: Resins, styrene—PENNSYLVANIA INDUSTRIAL CHEM CORP
PICCOLYTE: Resins, hydrocarbon—PENNSYLVANIA INDUSTRIAL CHEM CORP
PICKUP: All-purpose absorbent—Diversey Corp
PICRIDE: Space fumigant—DOW CHEM CO
PICTOL: Developer, photographic — MALLINCKRODT CHEM WORKS
PICTONE: Developer, photographic — MALLINCKRODT CHEM WORKS
PIKES PEAK: Clays; Insecticide carriers—Diversey Corp
PILOT B-BEADS: Plastic scintillators—Pilot Chems, Inc
PILOT SCINTILLATOR B: Plastic scintillators—Pilot Chems, Inc
PINATONE: Pine reinforcer—Rhodia, Inc
PINEAIR: Disinfectant—Uncle Sam Chem Co
PINEALCO: Extract white pine compounds—S B PENICK & CO
PINE AROMA: Disinfectant—Uncle Sam Chem Co
PINEOLL: Disinfectants—Uncle Sam Chem Co
PINK MAGIC: Detergents—S & S Soap Co
PIONEER: Ceramic clay—GEORGIA KAOLIN CO
PIONEER BRAND: Beeswax—Theodore Leonhard Wax Co
PIPSOL: Piperazine hydrochloride solution—Pendergast Chem Co
PITT CHEM: Protective coatings—PITTSBURGH COKE & CHEM CO
PITTABS: Calcium hypochlorite—COLUMBIA-SOUTHERN CHEM CORP
PITTCHLOR: Calcium hypochlorite—COLUMBIA-SOUTHERN CHEM CORP
PITTSBURGH PX: Plasticizers—PITTSBURGH COKE & CHEM CO
PLANIFOLINE: Products—FLORASYNTH LABS
PLANTAROME: Foaming agents—FLORASYNTH LABS
PLASDONE: Polyvinylpyrrolidone—ANTARA CHEM DIV

►PLASKON: Plastics & resins—Allied Chem Corp, Plastics & Coal Chems Div

PLASPREG: Impregnant-furane-Furane Plastics
PLASTIC EDGE SEAL: Edge ink, leather goods—Fiber Chem Corp
PLASTIBOND: Foundry clay—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS DEPT
PLASTICONE RED: Red pigments—SHERWIN-WILLIAMS CO
PLASTIFLOUR: Foundry clay—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS CORP

►PLASTO: Plastics dyes—Allied Chem Corp, National Aniline Div

►PLASTOL NO. 1: Cement waterproofing agent —Nopco Chem Co

PLASTOLEIN: Plasticizers—EMERY INDUSTRIES
PLASTONE: Plasticizer, peptizer—HARWICK STANDARD CHEM CO
PLATELUSTRE: Protective coatings—Maas & Waldstein Co
PLENCO: Resins, molding compounds—Plastics Engineering Co
PLEOGEN: Polyester resins—Mol Rez Div
PLEXENES: Organic sequestering agents—Tanatex Chem Corp
PLEXFIL: Protective coatings—Maas & Waldstein Co

►PLEXIGLAS: Acrylic resin plastic sheets; Molding powders—Rohm & Haas Co

►PLEXIGUM: Adhesive—Rohm & Haas Co

PLEXPRIME: Protective coating—Maas & Waldstein Co
PLEXTONE: Protective coatings—Maas & Waldstein Co
PLIASIZE: Glue—Swift & Co, Adhesive Products Dept
PLIOFLEX RUBBER: Rubber, butadiene; Styrene — Goodyear Tire & Rubber Co, Chem Div
PLIOLITE: Resin solutions; Polybutadiene & styrene butadiene latices; Rubber reinforcing resins—Goodyear Tire & Rubber Co, Chem Div
PLIOVIC: Polyvinyl chloride resins—Goodyear Tire & Rubber Co, Chem Div
PLUMB-O-SIL: Stabilizer, vinyl—NATIONAL LEAD CO

►PLURACOL: Glycols—Wyandotte Chems Corp

►PLURONIC: Polyoxyalkylene glycol block polymer—Wyandotte Chem Corp

PLUTO: Dyes, direct—GENERAL DYESTUFF CO
PLUTOFORM: Dyes, direct—GENERAL DYESTUFF CO
PLUVOL-SILICONE: Water repellent—Inertol Co

►PLYACIEN: Adhesive, protein—Reichhold Chems, Inc

►PLYAMINE: Adhesives, urea-formaldehyde —Reichhold Chems, Inc

►PLYAMUL: Adhesives, polyvinyl acetate— Reichhold Chems, Inc

PLYMASTER: Industrial adhesives—Rubber & Asbestos Corp
PLYMAX: Glues, adhesives—A Adler & Son

►PLYOPHEN: Resins; Adhesives; Varnishes— Reichhold Chems, Inc

PLYOWAX: Wax—Diversey Corp
PLYREZ: Polyvinyl & resin emulsions—A Adler & Son
PLY-X: Epoxy resins—A Adler & Son
POLAR-FLO: Antifreeze—Thompson Chem Co
POLARSOLS: Esterized oils—Seaboard Chem
POLECTRON: Electronic chemicals—ANTARA CHEM DIV
POLIDASE: Vegetable enzymes—Schwarz Labs, Inc
POLITOL: Lignin-phosphate complex—W Va Pulp & Paper Co, Polychems Div
POLOX: Fluid solder—Lox Mfg Co
POLYCIN: Oil castor, processed, softener rubber—BAKER CASTOR OIL CO
POLYCIZER: Plasticizers—HARWICK STANDARD CHEM CO
POLYCLAR: Polyvinylpyrrolidone—ANTARA CHEM DIV

►POLYCO: Resin emulsions—Borden Chem Co

POLY-EP: Products—D J Peterson Co
POLY-ETH, HI-D: Polyethylene resins—Spencer Cehm Co
POLYFAX: Laquers, enamels—Interchem Corp, Finishes Div
POLYFIL: Fillers—J M HUBER CORP
POLY-CONE: Mold lubricants—National Polychems
POLYFILM: Polyethylene film—DOW CHEM CO
POLYFLEX: Ink—California Ink Co
POLYFLO 100: Petroleum dispersing agent—UNIVERSAL OIL PRODUCTS CO
POLYFLUORON: Coatings; Molding powders—Acme Resin Corp
POLYFON: Sodium lignosulfonate—W Va Pulp & Paper Co, Polychems Div
POLY-G: Polyethylene glycol—OLIN MATHIESON CHEM CORP
POLYGARD: Rubber stabilizer—Naugatuck Chem Div
POLYGRIP: Ink—California Ink Co

►POLYLITE: Resins, polyester—Reichhold Chems, Inc

POLY-MAG: Magnesium oxide—National Polychems

►POLYMEKON: Petroleum wax—Warwick Wax Div

POLYMER 59: Emulsions—ACME SHELLAC PRODUCTS CO
POLYMERIN: Enamels, baking—Interchem Corp, Finishes Div
POLYNAM: Multicolor finishes—Duralac Chem Corp
POLYOX: Water-soluble resins—UNION CARBIDE CORP
POLY-PHEN: Phenolic resins—National Polychems
POLYPRENE: Enamels, vinyl organisol—Interchem Corp, Finishes Div
POLY-PRO: Polypropylene resins—Spencer Chem Co
POLY-RIA: Urea—National Polychems
POLYSAN: Fat liquors—Reilly-Whiteman-Walton Co
POLYSEAL: Dairy waxes—Sun Oil Co
POLYSEAMSEAL: Waterproof coatings—L W Ferdinand & Co
POLY-SOLV: Products—OLIN MATHIESON CHEM CORP
POLYSPERM: Blown sperm oil—Archer-Daniels-Midland Co
POLY-SPERSE: Rubber processing aid—National Polychems
POLYSUL: Lime sulfur—Miller Products Co
POLY-TERGENTS: Detergents, nonionic—OLIN MATHIESON CHEM CORP
POLYTHERM: Silicone enamels—Interchem Corp, Finishes Div

►POLYTOOL: Tooling compounds—Reichhold Chems, Inc

PONDEROL: Brominated apricot kernel oil—Sterol Derivatives
PONKOTE: Enamels, acid-resisting—Inertol Co
POOL-CLOR: Calcium hypochlorite—PENNSALT CHEM CORP

►POROCEL: Activated bauxite dessicant— Minerals & Chem Corp of America

POSTREAT: Preservatives, wood—MILLER PRODUCTS CO
POWER-PAK: Detergents—PENNSALT CHEM CORP
POWERPHYL: Cleaner—Fuld Bros
POXITAR: Coating, coal-tar epoxy—Inertol Co

►PREDISPERSED HT, S-22: Paper clays— Minerals & Chem Corp of America

PREGEST: Drycleaner—Wallerstein Co
PREMAX: Coating day—GEORGIA KAOLIN CO
PREMERGE: Weed killer—DOW CHEM CO
PREMIER: Coating clay—GEORGIA KAOLIN CO
PREMIER: Sphagnum peat moss, Canadian, European—Premier Peat Moss Corp
PRENTOX: Insecticides—Prentiss Drug & Chem Co
PRESERV-O-SOTE: Creosote wood preservative—Crowley Tar Products Corp
PRESTONE: Anti-freeze—NATIONAL CARBON CO
PRESTORER: Liquid paint brush rejuvenator—Penetone Co
PREVENTOL: Textile fungicides—ANTARA CHEM DIV

►PRIMENE: Alkylamines, tertiary—Rohm & Haas Co

►PRIMINOX: Alkylamines, tertiary—Rohm & Haas Co

PRIMOL: White mineral oil—ESSO STANDARD OIL CO
PRISMLAC: Protective coatings—Maas & Waldstein Co
PRO-80: Vital wheat gluten—General Mills, Special Commodities Div.
PRODAG: Graphite, semi-colloidal, in water—Acheson Colloids Co
PRO-EX: Alkyl aryl sulfonates—Process Chem Co
PRO-FAX: Polypropylene—HERCULES POWDER CO

►PROFERM: Vitamin B_{12} feed supplement— Commercial Solvents Corp

PROFOAM: Detergents—Process Chem Co
PROKURE: Polymerization accelerators—Process Chem Co
PROMEEN: Emulsifiers, catlonic—Process Chem Co
PROMIDE: Fatty amide condensates—Process Chem Co
PROMULGEN: Fatty alcohol condensate—Robninson Wagner Co
PROMYR: Isopropyl myristate—Robinson Wagner Co
PRONON: Polyoxyalkalene condensates—Process Chem Co
PROPAL: Isopropyl palmitate—Robinson Wagner Co
PROPASTE: Lauryl sulfates—Process Chem Co

►PRO-PEN: Antibiotic-vitamin feed—Merck Chem Div

PROPRIME: Corrosion inhibitors—Process Chem Co
PROSEPT: Quaternary ammonium compounds—Process Chem Co
PROSOL: Emulsifiers, nonlonic—Process Chem Co

►PRO-STREP: Antibiotic mixture, feed use— Merck Chem Div

PROTAN: Sodium formate—VICTOR CHEM WORKS
PRO-TEK: Protective hand cream—E I du Pont de Nemours & Co, Finishes Div

►PROTEK-SORB 121 & 88: Desiccants— Davison Chem Co Div

PROTEKTOL: Coatings, strippable—Interchem Corp, Finishes Div
PROTESAL: Chillproofing compound—Schwarz Labs
PROTETHYL: Products—FLORASYNTH LABS
PROTHANE: Polyethylene resins—Process Chem Co
PROTOBORE: Protoveratrines A B—S B PENICK & CO
PROTOL: Mineral oil; Cosmetic chemicals—L SONNEBORN SONS

►PROTOLIN: Hydrosulfites & sulfoxylates— Rohm & Haas Co

PROTOPET: Petrolatum—L SONNEBORN SONS

►PROTOVAC: Cascoloid casein solutions— Borden Chem Co, Casein Dept

PROTOVAN: Products—FLORASYNTH LABS
PROTOX: Zinc oxide—New Jersey Zinc Co
PROTOZYME: Enzymes; Desizing agents—JACQUES WOLF & CO
PROTYL: Alkyl fatty esters—Process Chem Co
PRO-VIM: Vital wheat gluten—General Mills, Special Commodities Div
PROVINITE: Stabilizer, vinyl—NATIONAL LEAD CO
PROWET: Detergents, nonionic-anionic—Process Chem Co
PROX: Coatings, corrosion control—Kano Labs
PRYM: Reactants, textile—Warwick Chem Co Div
PURASAN: Germicides—Gallowhur Chem Corp
PURASEED: Seed disinfectants—Gallowhur Chem Corp
PURASIST: Fungicides—Gallowhur Chem Corp
PURATIZED: Fungicides, bactericides—Gallowhur Chem Corp
PURATURF: Turf fungicide—Gallowhur Chem Corp
PURAYONIER: Cellulose, wood—Rayonier, Inc

►PURECAL: Calcium carbonate — Wyandotte Chem Corp

PURE-LOK: Adhesives—National Starch & Chem Corp
PURITE: Soda ash—OLIN MATHIESON CHEM CORP
PURITOSE: Corn syrup—CORN PRODUCTS SALES CO
PUTROL: Deodorants—Fritzsche Bros

►PYDRAUL: Fire-resistant hydraulic fluid— Monsanto Chem Co

►PY-RAN: Monobasic calcium phosphate— Monsanto Chem Co

►PYRANOL: Dielectric; Heat-transfer fluid— Monsanto Chem Co

PYRATEX: Latices, vinyl pyridine—Naugatuck Chem Div
PYRAZOL: Dyes, direct—Sandoz, Inc

PYREFUME: Insecticides, deodorants—S B PENICK & CO
PRENONE: Combinations, tech piperonyl butoxide & pyrethrins—Fairfield Chem Div
PYREXCEL: Insecticides—S B PENICK & CO
PYRIDOSE: Pyridylmercuric acetate — MALLINCKRODT CHEM WORKS

►PYROBOR: Dehydrated borax — American Potash & Chem Corp

PYROCAT: Catalysts—MacKenzie Chem Works
PYROCIDE: Insecticide concentrates—MCLAUGHLIN GORMLEY KING CO
PYROLOY: Resins—Raybestos-Manhattan
PYRONYL: Pyrethrum—Prentiss Drug & Chem Co
PYROPO: Insecticides—S B PENICK & CO
PYROSET: Fire retardant—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
PYROTARD: Fireproofer, textile—Scientific Oil Compounding Co
PYSEAL: Sealing cement—FISHER SCIENTIFIC CO

Q

Q-BROXIN: Drilling mud conditioners, emulsifiers—Puget Sound Pulp & Timber Co
Q-CHROME: Cements, refractory—Quigley Co
QMV: Beryllium metal—Brush Beryllium Co

►QO: Furan chemicals—Quaker Oats Co

QUADRAFOS: Sodium phosphate, tetra—RUMFORD CHEM WORKS

►QUADREX: Vitamin concentrates—Nopco Chem Co

►QUADROL: N,N,N¹,N¹,-Tetrakis (2-hydroxypropyl) ethylenediamine—Wyandotte Chem Corp

►QUAKERAL: Furfural—Quaker Oats Co

►QUAKERSOL: Proprietary alcohol solvent—Commercial Solvents Corp

QUAT-O-BRITE: Quaternary ammonium compounds—Britex Corp
QUATROIL: Oil soluble quaternary fungicide—FINE ORGANICS
QUESTEX: Acid, ethylene diamine tetracetic—A R Mass Chem Co Div & VICTOR CHEM WORKS
QUICKSAN: Bactericide, fungicide—Norton Chem Works
QUICKSET: Organic peroxide catalyst—US Peroxygen Corp
QUIGLEY APC: Acidproof cements—Quigley Co
QUILON: Chrome complex—E I du Pont de Nemours & Co, Grasselli Chem
QUINTUS QUARTZ: Silica—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV

►QUIXSOL: Proprietary alcohol solvent—Commercial Solvents Corp

R

►R-2 CRYSTALS: Rubber accelerator—Monsanto Chem Co

R-B-H: Pigment dispersions—Interchem Corp, Color & Chems Div
RC: Plasticizers, latex—Rubber Corp of America
RCE: Etchant, printed circuit—PHILIP A HUNT CO

►RCI: Industrial chemicals & monomeric plasticizers—Reichhold Chems, Inc

RMP: Antimony—Rare Metal Products Co
R S R: Pre-spotter, drycleaning—Wallerstein Co

►RZ-50-A, RZ-50-B: Rubber accelerators—Monsanto Chem Co

RADAPON: Weed killer—DOW CHEM CO
RADIOR: Cleaner—DuBois Co
RAINBOW: Fertilizer, mixed—INTERNATIONAL MINERALS & CHEM CORP, PLANT FOOD DIV
RAJAH: Henna, raw, ground—S B PENICK & CO
RALDEINE: Perfume chemical, methyl ionine—GIVAUDAN
RAMAPO: Products—E I du Pont de Nemours & Co, Pigments Dept
RAMASOL: Textile water repellent—ANTARA CHEM DIV

►RAMOL: White mineral oil—Continental Oil Co

RAMUC MILDEW-RESISTANT: Paints, damp-resisting—Inertol Co
RAMUC UTILITY: Enamels; Paints—Inertol Co

►RANAREX: Gas analyzer—Permutit Co

►RANDOX: Weed killer—Monsanto Chem Co

RANEDARE: Water repellants, textile—Metro-Atlantic, Inc
RANGOON: Products—Ansbacher-Siegle Corp
RAPIDASE: Desizing agents, textile—Wallerstein Co
RAPIDOGEN: Dyes, azoic—GENERAL DYESTUFF CO

►RAREOX: Glass polishing compound—Davison Chem Co (Rare Earths)

RASORITE 46, 65: Sodium borate concentrates—UNITED STATES BORAX & CHEM CORP
RAUNORMINE: Alkaloids, rauwolfia—S B PENICK & CO
RAUSERFIA: Alkaloids, rauwolfia—S B PENICK & CO
RAVEN: Carbon black—COLUMBIAN CARBON CO
RAYACETA: Cellulose, wood—Rayonier, Inc
RAYBO: Additives—Raybo Chem Co
RAY-BOND: Adhesives—Raybestos-Manhattan
RAYBOND: Cellulose, wood—Rayonier, Inc
RAYBRITE: Cellulose, wood—Rayonier, Inc
RAYDUR: Protective coatings—Maas & Waldstein Co
RAYFLO: Drilling mud conditioner—Rayonier, Inc
RAYLUBRIC: Textile oil—E F Houghton & Co
RAYOCORD: Cellulose, wood—Rayonier, Inc
RAYPHOTO: Cellulose, wood—Rayonier, Inc
RAYTONE: Paint, calsamine—A Adler & Son
RAYWEB: Cellulose, wood—Rayonier, Inc
RAX POWDER: Warfarin—Prentiss Drug & Chem Co
RAZE: Stripper, paint—DuBois Co
REDDON: Brush killer—DOW CHEM CO
RED MARVEL: Metal polish—Uncle Sam Chem Co
RED OIL: Products—Celina Stearic Acid Co
REDRATSQUILL: Poisons—S B PENICK & CO
RED STAVE: Wheat paste—HERCULES POWDER CO
RED WING: Sulfur—OLIN MATHIESON CHEM CORP
REE-ROOT: Products—Thompson Chem Corp
REEVE ANGEL: Filtering material—H REEVE ANGEL & CO
REFRASIL: Insulation, high temperature—H I Thompson Fiber Glass Co
REGAL: Hanna leaves—S B PENICK & CO
REGENT 12XX: Calcium phosphate—VICTOR CHEM WORKS
RELEASE: Dehairing compound—DuBois Co
REMO: Liquid glue—Swift & Co, Adhesive Products Dept
REMOVITE: Paint & varnish remover—Chemical Specialties Co
RENDITE: Explosives—Atlas Powder Co, Explosives Div
RENEWITE: Cleaner, rugs, upholstery—Chemical Specialties Co
RENEX: Detergents, nonionic—ATLAS POWDER CO, CHEMS DIV
RENITE: Lubricants—Renite Co

►REPELOTEX: Water repellents—Onyx Oil & Chem Co

►RESILITH: Asphalt cements—Borden Chem Co

►RESIMENE: Melamine—Monsanto Chem Co
RESINEX: Resin—HARWICK STANDARD CHEM CO

►RESINOX: Binders, core & shell molding—Monsanto Chem Co
RESISTO: Floor wax—Uncle Sam Chem Co

►RESLOOM: Textile finishing agents — Monsanto Chem Co

RESODOR: Deodorant-reodorant—SINDAR CORP
RESOFORM: Dyes, plastic—GENERAL DYESTUFF CO
RESOLFLEX, R-749: Plasticizers, resin—Cambridge Industries
RESONET: Textile binder—E F Houghton & Co
RESORB: Solvent recovery equipment—BARNEBEY-CHENEY CO
RESORSABOND: Resorcinol resins—American-Marietta Co
RESTOREX: Liquid paint brush rejuvenator—Penetone Co

►RESWAX: Wax emulsions—Borden Chem Co

RESYN;-LOK: Adhesives—National Starch & Chem Corp
RETARDEX: Vulcanization retarder—C P Hall Co
RETROL: Products—Filtrol Corp
REVIVO BOND: Clay, fire—INTERNATIONAL MINERALS & CHEM CORP, INDUSTRIAL MINERALS DIV
REVIVO FIRE CLAY: Refractory clay—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS DEPT
REX: Corn syrup—CORN PRODUCTS SALES CO
REXPAR: Waterproof varnishes—SHERWIN-WILLIAMS CO
REYNOBOND: Vinyl-metal primers, adhesives—Reynolds Chem Products Co
REYNOFOAM: Vinyl, polyurethane foams—Reynolds Chem Products Co
REYNOSOL: Plastisols, organosols—Reynolds Chem Products Co
REZOSOL: Textile resin—E F Houghton & Co
REZYL: Surface coating resins—American Cyanamid Co, Plastics & Resins Div
RHINAMEL: Products—Tropical Paint Co
RHODULINE: Dyes, basic—GENERAL DYESTUFF CO

►RHONITE: Resins, textile finishes—Rohm & Haas Co

►RHOPLEX: Resins, suspensions, dispersions—Rohm & Haas Co

►RHOTEX: Synthetic resin finishes; Thickening agents—Rohm & Haas Co

►RHOTHANE: Dichlorodiphenyl - dichloroethane, insecticide—Rohm & Haas Co

►RHOZYME: Enzymes, desizing agent—Rohm & Haas Co

RIGORTEX: Enamels, acid-resisting—Inertol Co
RIGORTEX PRIMER: Paints, metal primers—Inertol Co
RILA: Fluorescent pigments—Rhode Island Labs
RINCONTROL: Wrinkle enamel—Interchem Corp, Finishes Div
RINDRI: Liquid detergent—Britex Corp
RINGOTS: Rare earth products—MALLINCKRODT CHEM WORKS
RINSITE: Rinsing additive—Oakite Products
RIP: Paint stripper—DuBois Co
RISOSAN: Germicide—FINE ORGANICS
ROACHKIL: Insecticide—Uncle Sam Chem Co
ROBANE: Pharmaceuticals, cosmetics vehicle—ROBECO CHEM
ROBINCO: Fresheners, air—Krylon, Inc
ROBITE WAXES: Ozokerite blends—ROBECO CHEM
ROBYL: Bleached cocoa butter—ROBECO CHEMS
ROCCAL: Quaternary ammonium germicide—Stewin Chems, Inc
ROCETAMIDE: Cosmetics bases—ROBECO CHEM
ROCKPORT: Limes—Cutler-Magner Co
RO-DETH: Rodenticide—United-Heckathorn
RODINE: Products—Amchem Products, Inc
RODUSTO: Insecticides, farm, garden—Miller Products Co
ROGERS FAMOUS: Fishglue; Photoengraving glue—Rogers Isinglass & Glue Co
ROLESSENCE: Pearl essence—ROBECO CHEMS
ROLOX ADHESIVE: Paint rollers—H V Hardman Co
RONGALITE: Assistants, vat printing—ANTARA CHEM DIV
ROOTICATE: Root control chem—FAESY & BESTHOFF
ROOTONE: Products—Amchem Products, Inc
ROSANLIK: Perfume bases—Fritzsche Bros

►ROSSVILLE: Industrial alcohols—Commercial Solvents Corp

ROTEFIVE: Insecticides, farm, garden—Miller Products Co
ROTEFOUR: Insecticides, farm, garden—Miller Products Co
ROTENOL: Insecticides, farm, garden—Miller Products Co
ROXTONE: Oil, black—ESSO STANDARD OIL CO
ROYAL OAK: Charcoal—Crossett Chem Co
ROYAL-WORCESTER: Leather oils—White & Bagley Co
ROXAPRENE: Chlorinated rubber enamels—Interchem Corp, Finishes Div
ROWAX: Lanolin, wax esters—Robinson Wagner Co
RUBANOX RED: Red pigments—SHERWIN-WILLIAMS CO
RUBARITE: Asphalt additives—Goodyear Tire & Rubber Co, Chem Div
RUBARS: Rubber dispersing agent; Plastic mold lubricant—DuBois Co
RUBICON: Products—Ansbacher-Siegle Corp
RUBINOL: Dyes, acid—GENERAL DYESTUFF CO
RUB'R-LITH: Rollers—California Ink Co
RUB'R-PRINT: Rollers—California Ink Co
RUBSOL: Solvents, rubber—Anderson-Prichard Oil Corp
RUCOAM: Plastic film & sheeting—Rubber Corp of America
RUFERT: Nickel catalyst—HARSHAW CHEM CO
RUGLIDE: Rubber lubricant—American Grease Stick Co
RULAN: Flame retardants, plastic—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
RUMEX: Products—VITAMINS, INC
RUSTARMOR SYSTEM: Enamels, anti-rust; Primer—Inertol Co
RUST-BAN: Rust preventive—ESSO STANDARD OIL CO
RUSTBUSTER: Alkaline derusting compound—Octagon Process, Inc
RUSTCLEAN: Rust remover—Octagon Process, Inc
RUST-OLEUM: Rust-preventive coatings — Rust-Oleum Corp
RUST RELEASE: Penetrant oil—Krylon, Inc
RUSTRIPPER: Detergents—Oakite Products
RUST VETO: Rust preventive—E F Houghton & Co
RYANEXCEL: Ryania concentrate, synergized — S B PENICK & CO
RYANICIDE: Powder ryania—S B PENICK & CO

S

6-12: Insect repellent—UNION CARBIDE CORP
7: Polish; Rubbing compound—E I du Pont de Nemours & Co, Finishes Div

►S 35: Sodium silicate—Philadelphia Quartz Co

SC: Preservative, fungicide—Gallowhur Chem Corp
SCE: Etchant, printed circuit—PHILIP A HUNT CO
SL: Chemicals, electronic — MALLINCKRODT CHEM WORKS
SO: Wetting agent—ORONITE CHEM CO
SOA: Sucrose octa acetate—UNION CARBIDE CORP
SPDX-GH Rubber accelerator—C P Hall Co

►SQ: Veternary sulfaquinoxaline — Merck Chem Div

►S-Q PHOSPHATE: Glassy sodium phosphate —Monsanto Chem Co

►SRHS: Chromium plating compounds—Metal & Thermit Corp

SS: Base, fiber, wool oils—Borne Chem Co

SWP: House paints—SHERWIN-WILLIAMS CO
SABADUSTO: Insecticides, farm, garden—Miller Products Co
SACON: Permanent size, drycleaning—Wallerstein Co
SAF: Cleaner—DuBois Co
SAFARITONE: Optical bleaches—HILTON-DAVIS CHEM CO DIV
SAFETY-LINEN: Sours, laundry—DIAMOND ALKALI CO
SAFEX: Accelerator, rubber—Naugatuck Chem Div

►SAFLEX: Vinyl butyrate—Monsanto Chem Co

SAFRELLA: Sassafras, artificial—Fritzsche Bros
SAFTEE DUCT-FAS 81-99: Insulation bonding adhesive, fire resistant—Benj Foster Co
SAFTEE MASTIC 60-80: Asphalt protective coating, fire resistant—Benj Foster Co
SAF-T-PAK: Explosive—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
SAF-T-SOL: Industrial and insecticide solvent—Crowley Tar Products Co
ST JOE: Lead; Zinc; Zinc oxide—St Joseph Lead Co
SALAMAC: Brick ammonium chloride—J F HENRY CHEM CO
SALVINOL: Products—FLORASYNTH LABS
SAMPSON: Glue—Swift & Co, Adhesive Products Dept
SAMSON: Cleaners—DIAMOND ALKALI CO
SANCO: Products—Monroe Sandee Corp
SANDOCYL: Dyes, synthetic fibers—Sandoz, Inc
SANDOFIX: Textile specialty—Sandoz, Inc
SANDOPAN: Detergents, anionic—Sandoz, Inc
SANDOTHRENE: Detergents, anionic; Dyes—Sandoz, Inc
SANGAMO: Starches, textile—A E Staley Mfg Co
SANITERGE: Germicide—FINE ORGANICS
SANI-BOWL: Bowl cleaner—Uncle Sam Chem Co
SANISEPTOR: Spray cleaning instrument—Oakite Products

►SANTICIZER: Resin plasticizer—Monsanto Chem Co

►SANTOBRITE: Industrial preservative, fungicide & herbicide—Monsanto Chem Co

►SANTOCEL: Silica aerogel—Monsanto Chem Co

►SANTOCHLOR: Dyestuff intermediate, deodorant & mothicide—Monsanto Chem Co

►SANTOCURE: Rubber accelerator—Monsanto Chem Co

►SANTOFLEX: Rubber antioxidant—Monsanto Chem Corp

►SANTOLENE: Corrosion & rust inhibitor—Monsanto Chem Co

►SANTOLITE: Synthetic resin—Monsanto Chem Co

►SANTOLUBE: Petroleum additive—Monsanto Chem Co

►SANTOMASK: Odor masking agent—Monsanto Chem Co

►SANTOMERSE: Wetting agents—Monsanto Chem Co

►SANTOPHEN 1: Disinfectant — Mosanto Chem Co

►SANTOPOID: Oil additives—Monsanto Chem Co

►SANTOPOUR: Petroleum products—Monsanto Chem Co

►SANTOQUIN: Antioxidant, carotene preservation—Monsanto Chem Co

►SANTOSITE: Sodium sulfite anhydrous—Monsanto Chem Co

►SANTOTAN: Tanning extracts—Monsanto Chem Co

►SANTOVARA: Rubber antioxidant—Monsanto Chem Co

►SANTOWAXES: Plasticizer — Monsanto Chem Co

►SANTOWHITE: Rubber antioxidant—Monsanto Chem Co

SAP-O-TEX: Laundry compound—G S Robins & Co
SARALOY: Plastic sheet—DOW CHEM CO
SARKOSYL: Surfactants, acylated amino acids—Geigy Industrial Chem Div
SARTORIUS NO 1: Oil, ylang ylang—Fritzsche Bros
SASSAFROL: Oil, substitute sassafras—Fritzsche Bros
SASSENE: Odorant—SINDAR CORP
SATIN GLOS: Floor wax—Uncle Sam Chem Co
SATINETTE: Laundry starch—National Industrial Products Co
SATUROL: Solvent, metal degreasing—Oakite Products
SATURSEAL: Pipe joint sealant—Crowley Tar Products Co
SAV-A-DAY: Sodium hypochlorite—Barton Chem Co
SAVANOL: Leather treating compounds—ANTARA CHEM DIV
SAVAROME: Odorant—SINDAR CORP
SAVE-LITE: Finishes, interior—SHERWIN-WILLIAMS CO
SAV-ON: Disinfectants; Deodorants—Uncle Sam Chem Co
SAVONAFIX: Fixatives perfumes—Fritzsche Bros
SAXON: Leather oils—Borne Chem Co
SCHOLLERIZE: Finishes, textile—Scholler Bros
SCORBORD: Expanded polystyrene boards—DOW CHEM CO
SCOTCH-'EM: Insecticides—PENNSALT CHEM CORP
SCOTCHGARD: Oil & water repellents—Minnesota Mining & Mfg Co, Chem Div
SCOTCHWELD: Structural adhesives—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
SCRAM: Dog repellent—CALIFORNIA SPRAY-CHEM CORP

►SCRIPTITE: Resins, impregnating—Monsanto Chem Co

►SCULPTURED: Synthetic fibers and yarn—Eastman Chem Products

SEABOND: Pigments & pigment dispersions—HILTON-DAVIS CHEM CO DIV

►SEAL: Adhesives—Philadelphia Quartz Co

SEA-LAC: Products—Duralac Chem Corp
SEALFAS MASTIC GRAY 31-94: Protective coating—Benj Foster Co
SEALIT: Silicon water repellent—Sullivan Co
SEALOL: Oil, refrigerator—ESSO STANDARD OIL CO
SEALTITE END COATING: Wax emulsion sealer—CHAPMAN CHEM CO
SEALZ: Thermoplastic rubber—Naugatuck Chem Div

►SEA SORB: Magnesia, adsorptive—Westvaco Mineral Products Div

SEATANG: Water treatment, swimming pool—Feedwaters Inc
SEATONE: Textile pigments—HILTON-DAVIS CHEM CO
SEBACOL: Dehairing compounds, tanners—Wallerstein Co
SEBASE: Skin, mucous membrane base—ROBECO CHEM
SECCO: Rubber-makers' clays—Southeastern Clay Co
SEECOMUL: Emulsifier, drilling fluid, oil well—Crosset Chem Co
SEECOTOL: Crude tall oil—Crossett Chem Co
SEGLENE: Chelating agents—PFANSTIEHL LABS
SEILLANS: Oil, flower—Fritzsche Bros
SELECTUS: Dry animal glue—Swift & Co, Adhesive Products Dept
SELLOGEN: Detergents; Alcohols—JACQUES WOLF & CO
SEMESAN: Seed disinfectant; Fungicide—E I du Pont de Nemours & Co, Grasselli Chem
SEMESAN BEL: Dip disinfectant—E I du Pont de Nemours & Co, Grasselli Chem
SEMI-LUSTRE: Interior semi-gloss enamels—SHERWIN-WILLIAMS CO
SEPARAN 2610: Flocculating agent—DOW CHEM CO
SEPTO-SOUR: Sours, laundry—DIAMOND ALKALI CO
SEQUESTRENE: Ethylene diamine tetraacetic acid; Metal chelates—Geigy Industrial Chem Div
SEQUET: Cleaners, bottle—DIAMOND ALKALI CO
SERAFUME: Grain fumigant—DOW CHEM CO
SER-A-SIL: Adsorbent; Dusting powders—Summit Mining Corp

►SERICHROME: Acid dyes, mordant—Allied Chem Corp, National Aniline Div

SERICOSE: Binders, textile—ANTARA CHEM DIV
SERIZYME: Desizing agents, textile—Wallerstein Co
SER-X: Adsorbent; Dusting powders—Summit Mining Corp
SESONE: Weed killer—UNION CARBIDE CORP
SESQUILATE: Cleaners, alkali—DIAMOND ALKALI CO
SETAMOL: Assistants, textile—ANTARA CHEM DIV
SETOLE: Textile stiffeners—Warwick Chem Co Div
SEVIN: Insecticide—UNION CARBIDE CORP
SHAMVA: Products—Golwynne Chems Corp
SHARSTOP: Rubber compounding materials—PENNSALT CHEM CORP
SHAWINIGAN BLACK: Acetylene carbon black—Shawinigan Products Corp
SHED-A-LEAF: Defoliant—Chipman Chem Co
SHEFTENE: Proteins, milk—SHEFFIELD CHEM DIV

►SHELLACOL: Proprietary alcohol solvent—Commercial Solvents Corp

SHELTER ME: Perfume base—FLORASYNTH LABS
SHERDYE: Textile printing colors—SHERWIN-WILLIAMS CO

►SHEROLATUM: Petrolatum—Continental Oil Co

►SHEROSOPE: Sodium sulfonate—Bryton Chem Co

►SHEROWAX: Semi-amorphous wax—Continental Oil Co

SHOWERTEX: Water repellent, textile—ANTARA CHEM DIV
SILASTIC: Rubber, silicone—DOW CORNING CORP
SILBLOK: Special blocking ferro-silicon—Vanaduim Corp of America
SILENE: Calcium silicate—COLUMBIA-SOUTHERN CHEM CORP
SIL-GLYDE: Lubricator silicone—American Grease Stick Co
SILIKIL: Amorphous silica insecticide—United-Heckathorn
SIL-O-CEL: Diatomite thermal insulation—JOHNS-MANVILLE

►SILVERTONE: Nitrocellulose-dispersed metallic powder, leather finishing—Rohm & Haas Co

SIMAZINE: Weed killer, herbicide—Geigy Agricultural Chem Div
SIMPLEX: Paper starches—A E Staley Mfg Co
SI-O-LITE: Acid, silicic—MALLINCKRODT CHEM WORKS
SITEX: Detergent—Arol Chem Products
SITURGE: Cleaners, glass—Arol Chem Products
SIZ-A-TIZE: Textile sizing—Dixo Co
SKULITE: Ammonium sulfate—Schuylkill Chem Co

►SKYDROL: Fire-resistant aircraft hydraulic fluid—Monsanto Chem Co

SKYTONE: Pigments, textile—HILTON-DAVIS CHEM CO
SLATITE: Protective coatings—Maas & Waldstein Co
SLIPEZE: Polyethylene slip agent—FINE ORGANICS
SLUGDUSTO: Insecticides, farm, garden—Miller Products Co
SLUGSPRA: Insecticides, farm, garden—Miller Products Co
SLY-MER: Water repellents, textile—DOW CORNING CORP
SMITHKO KALKARB WHITING: Calcium carbonate—SMITH CHEM & COLOR CO
SMITHOL: Products—Werner G Smith
SMUT-GO: Chemicals, agricultural—Miller Products Co
SNAP-DRI: Ink—California Ink Co
SNODOTTE: Marine oil fatty acids—Archer-Daniels-Midland Co
SNOW FLOSS: Amorphous hydrated silica—JOHNS-MANVILLE
SNOW FLOSS: Amorphous hydrated silica—JOHNS-
SOAPALINE: Detergent compound—Britex Corp
SOAPALITE: Soap builder—COWLES CHEM CO
SOCCI: Fungicides, textile—Scientific Oil Compounding Co
SODA BRIQUETTES: Sodas, modified—COLUMBIA-SOUTHERN CHEM CORP

►SODAPHOS: Sodium tetraphosphate—Westvaco Mineral Products Div

SODASORB: Absorbents, acid, gas; Soda lime—Dewey & Almy Chem Div
SODIUM AEROFLOAT: Promoter—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
SOFTEX: Softeners, finishing agents—E F Houghton & Co
SOHIOGEN: Ammoniating solutions—Sohio Chem Co
SOHIOGRO: Agricultural urea—Sohio Chem Co
SOILDUSTO: Insecticides, farm, garden—Miller Products Co

►SOILFUME 85: Ethylene bromide solution—Westvaco Mineral Products Div

SOILSORB: Adsorbent laundry detergent—COWLES CHEM CO
SOLAC: Protective coatings—Maas & Waldstein Co

►SOLANTINE: Light-fast direct dyes—Allied Chem Corp, National Aniline Div

SOLAR: Pigments, paper—GENERAL DYESTUFF CO
SOLAR SALT: Products—Solar Salt Co

►SOLASTRAL: Phthalocyanine pigments — Allied Chem Corp, National Aniline Div

SOLCARBO: Dyes, paper—GENERAL DYESTUFF CO
SOLE-MULSE: Emulsifiers—SOLE CHEM CORP
SOLE-ONIC: Surfactants—SOLE CHEM CORP
SOLESCO: Industrial laundry detergent—COWLES CHEM CO
SOLE-TERGE: Detergents—SOLE CHEM CORP
SOLFAST BLUE: Blue pigments—SHERWIN-WILLIAMS CO
SOLFAST GREEN: Green pigments—SHERWIN-WILLIAMS CO
SOLFAST RED: Red pigments—SHERWIN-WILLIAMS CO
SOLFLOTE: Flotation chemicals—Swift & Co, General Soap Dept
SOLGAS: Liquefied petroleum gases—Sun Oil Co
SOLIDOGEN: Fulling compounds—ANTARA CHEM DIV

►SOLKA; SOLKA-FLOC: Cellulose, wood pulp—Brown Co

►SOLOX: Denatured alcohol solvent—U S Industrial Chem Co Div

SOLOZONE: Sodium peroxide—E I du Pont de Nemours & Co, Electrochem Dept

►SOL-SPEEDI-DRY: Floor absorbent—Minerals & Chem Corp of America

SOLTROL: Odorless solvents—PHILLIPS PETROLEUM CO
SOL-U-PRO: Protein hydrolysates—UNITED CHEM & ORGANIC PRODUCTS
SOLUTINT: Fugitive tints—Borne Chem Co

►SOLVAT: Leuco ester vat dyes — Allied Chem Corp, National Aniline Div

SOLVESPERSE: Pigment dispersions—HILTON-DAVIS CHEM CO DIV
SOLVESSO: Solvent, aromatic—ESSO STANDARD OIL CO
SONAQUOL: Emulsifying oils—L SONNEBORN SON
SONO-JELL: Emulsifying oils—L SONNEBORN SON
SOOTENE: Soot remover—Feedwaters Inc

►SOPANOX: Antioxidant, soaps—Monsanto Chem Co

SOPHORA: Perfume base—GIVAUDAN
SORAPON: Alkyl aryl sulfonates—ANTARA CHEM DIV
SORBISTAT: Acid, sorbic—CHAS PFIZER & CO
SORBIT: Surfactant—Geigy Industrial Chem Div
SORBO: Sorbital—ATLAS POWDER CO, CHEMS DIV
SORBO-CEL: Filter aid—JOHNS-MANVILLE

SOROMINE: Softeners, textile—ANTARA CHEM DIV
SOTEX: Surfactants; Pigments; Plastics; Paints—SYNTHETIC CHEM
SPAN: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV
SPARKLE: Emulsion bowl cleaner—Uncle Sam Chem Co
SPARKLE: Laundry detergents—PENNSALT CHEM CORP
SPARMITE: Superfine barytes—C K WILLIAMS & CO
SPECIAL DIASTASE: Enzyme, amylase—Takamine Lab
►SPECIFICATION: Pitch — Allied Chem Corp, Barrett Div
SPECO: Fluxes—PFANSTIEHL LABS
SPECTROLENE: Diazo, stabilized—HILTON-DAVIS CHEM CO DIV
SPECTROSOL: Diazo, stabilized—HILTON-DAVIS CHEM CO DIV
SPEEDEX: Filter aid, diatomaceous—Great Lakes Carbon Corp, Mining & Mineral Products Div
SPEEDFLOW: Filter aid, diatomaceous—Great Lakes Carbon Corp, Mining & Mineral Products Div
SPEED-GLO: Ink—California Ink Co
SPEEDPLUS: Filter aid, diatomaceous—Great Lakes Carbon Corp, Mining & Mineral Products Div
SPEN-AMM: Ammonia, anhydrous—Spencer Chem Co
SPENSOL: Ammoniating solutions—Spencer Chem Co
SPERGON: Fungicide, seed—Naugatuck Chem Div
SPERMAFOL: Hydrogenated sperm oil—Archer-Daniels-Midland Co
SPHERON: Carbon black, channel—GODFREY L CABOT
SPHINX: Products—Arabol Mfg Co
SPIDER: Sulfur—OLIN MATHIESON CHEM CORP
SPINESSO: Oil, spindle—ESSO STANDARD OIL CO
►SPIRACTOR: Cold lime-soda softener—Permutit Co
SPONGE PASTE: Blowing agent sponge rubber—C P Hall Co
SPOT LEAK: Gas odorants—PENNSALT CHEM CORP
SPRADUSTO: Insecticides, farm, garden—Miller Products Co
SPRA-O-CIDE: Insecticides, farm, garden—Miller Products Co
SPRA-OIL: Oils, emulsifiable—Miller Products Co
SPRAY ALL: Insecticides—B R Elk & Co
►SPRAY SATIN: Clays, coating—Minerals & Chem Corp of America
SPRAYZON: Cleaner—Uncle Sam Chem Co
SPREADO: Spreaders, agricultural spray—Miller Products Co
SPREX: Dehairing compound—Du Bois Co
SPREX AC: Cleaner—Du Bois Co
►STABELAN: Stabilizer—Nopco Chem Co
STABILIDE: Potassoum iodide mixture—MALLINKRODT CHEM WORKS
STABILITE: Rubber antioxidant—C P Hall Co
STABILITE ALBA: Rubber antioxidant, non-staining—C P Hall Co
STABILITE; ALBA; WHITE: Rubber antioxidant non-staining—C P Hall Co
STABLCHLOR: Chlordane, emulsifiable—CHAPMAN CHEM CO
STABLE DRY-PAK: Reagents—Hartmann-Leddon Co
STABLETS: Vitamin B12—CHAS PFIZER & CO
STACLIPSE: Corn starches—A E Staley Mfg Co
STADEX: Dextrins—A E Staley Mfg Co
STAFLEX: Plasticizers; Stabilizers—Deecy Products Co
STA-FLAT: Flexible glue—Swift & Co, Adhesive Products Dept
STAFLEX: Flexible glue—Swift & Co, Adhesive Products Dept
STAGO: Essential oil solubilizer—Borne Chem Co
STA-MINO: Amino acids—A E Staley Mfg Co
STANDARD: Feed materials—Millbrew Co
►STANNOCHLOR: Stannous chloride—Metal & Thermit Corp
STAN-TONE: Colors—HARWICK STANDARD CHEM CO
STAPEX: Laundry starch—A E Staley Mfg Co
►STAR: Chemicals, textile — Philadelphia Quartz Co
STARBAKE: Wheat starch—HERCULES POWDER CO
STARGUM: Products—Morningstar-Paisley, Inc
►STARLIGHT OILS: White, mineral oil—Continental Oil Co
STA-RX: Corn starches—A E Staley Mfg Co
STARVIS: Food grade wheat starch—HERCULES POWDER CO
STARWAX: Waxes, microcrystalline—BARECO WAX CO DIV
STA-SOL: Lecithin—A E Staley Mfg Co
STATEX: Carbon black—COLUMBIAN CARBON CO
STATEZE: Antistatic—FINE ORGANICS
STA-THIK: Corn starches—A E Staley Mfg Co
STAYBIND: Corn starches—A E Staley Mfg Co
STAYCAL: Paper starches—A E Staley Mfg Co
STAYCO: Paper starches—A E Staley Mfg Co
►STAYRITE: Vinyl stabilizers; metal soaps —Witco Chem Co
STAZYME: Paper starches—A E Staley Mfg Co
►STEARITE: Acid, hydrogenated — Witco Chem Co
STED: Low-foaming detergent—COWLES CHEM CO
STEELGARD: Rust preventive—Harry Miller Corp
►STELLAR: Clays, coating—Minerals & Chems Corp of America
STEPANOL: Products—STEPAN CHEM CO
STERIBULB: Sterilizing agent—Ben Venue Labs
STERLING: Carbon black, oil, gas furnace—GODFREY L CABOT
STERLING: Sodium chloride—International Salt Co
►STEROLIT: Animal bedding—Minerals & Chems Corp of America
►STEROX: Polyoxyethylene esters, ethers & thioethers—Monsanto Chem Co
►STEROX AWS: Synthetic detergents, nonionic, built—Monsanto Chem Co
STEROZOL: Fungicide disinfectant, leather—Wallerstein Co
STEVOL: Cosmetic detergent base—ROBECO CHEMS
STIKTOTIN: Paste, label—Marks Chem Works
STIKTOTIN: Paste, label—Stiktotin Co
STILBOSIL[B]: Cattle feed additive—Eli Lilly & Co
STIPLTEX: Protective coatings—Maas & Waldstein Co
►STIXSO: Adhesives—Philadelphia Quartz Co
STOD-SOL: Solvents, dry cleaning—Anderson-Prichard Oil Corp
STONELITE: Pulverized limestone filler—Ohio Lime Co
STRIP-WRAP: Adhesive—National Starch & Chem Corp
STRYPP, STRYPP AWAY: Paint strippers—DuBois Co
►STYMER: Sizes, textile—Monsanto Chem Co
STYPHEN: Rubber antioxidant—DOW CHEM CO
►STYPTICIN: Cotarine chloride — Merck Chem Div
►STYRESOL: Resins, alkyd, styrenated — Reichhold Chems, Inc
STYRETEX: Styrenated alkyd resins—Jones-Dabney Co
STYROFOAM: Plastic foam—DOW CHEM CO
STYRON: Plastic, polystyrene—DOW CHEM CO
SUCARYL: Synthetic sweetening agents—Abbott Labs
►SUCONOX 2, 4, 9, 12, 18: Antioxidants—Sumner Chem Co Div
SUDS: Cleaner—DuBois Co
SUDS-A-LOT: Cleaning compound—Barton Chem Co
SUDSO: Detergent compound—Britex Corp
SUGANILLA: Flavoring—S B PENICK & CO
SULCO: Tar damp-proofer—Sullivan Co
►SULFABROM: Sulfabromometazine—Merck Chem Div
SULFANOLE: Detergents; Alcohol—Warwick Chem Co Div
►SULFASAN R: Rubbing aging compound — Monsanto Chem Co
SULFIDAL: Sulfur powder, dried colloidal—HEYDEN NEWPORT CHEM CORP
►SULFINDONE: Dyes, sulfur—Allied Chem Corp, National Aniline Div
SULFO: Sulfur, wettable—Miller Products Co
SULFOL: Wood lubricants—E F Houghton & Co
SULFOLE: Mercaptan, tertiary dodecyl—Phillips Chem Co
SULFOPON: Detergents—FALLEK PRODUCTS CO
SULFORON: Sulfur, wettable—E I du Pont de Nemours & Co, Grasselli Chem
SULFRAMIN: Detergents; Wetting agents—ULTRA CHEM WORKS DIV
SULPHON: Dyes, acid—GENERAL DYESTUFF CO
SUMERO: Oils, emulsifiable—Miller Products Co
►SUNAPTIC: Naphtenic acids—Sun Oil Co
SUNARAMES: Sun screening agent—Felton Chem Co
►SUNDEX: Rubber plasticizers, softeners—Sun Oil Co
►SUNEP: Lubricants, extreme pressure—Sun Oil Co
SUN FLOSS: Silica, amorphous—JOHN-MANVILLE
►SUNOCO: Petrochemicals—Sun Oil Co
►SUNOCO ANTI-CHEK: Petroleum waxes—Sun Oil Co
►SUNOLITE: Waxes, synthetic—Witco Chem Co
►SUNOTEX: Textile oils—Sun Oil Co
SUNPROOF: Protective wax materials—Naugatuck Chem Div
SUN YELLOW C, N: Pigments—HARSHAW CHEM CO
SUNSHINE: Neutral cleaner—Uncle Sam Chem Co
SUPERAID: Filter aid, diatomaceous—Great Lakes Carbon Corp, Dicalite Dept
SUPERBA: Carbon black—COLUMBIAN CARBON CO
►SUPER AMIDE: Emulsifiers—Onyx Oil & Chem Co
►SUPER-BECKACITE: Resins, phenolic — Reichhold Chems. Inc
►SUPER-BECKAMINE: Resins, melamine-formaldehyde—Reichhold Chems, Inc
►SUPER-BECKOSOL: Resins — Reichhold Chems, Inc
SUPERCARBOVAR: Carbon black, channel—GODFREY L CABOT
SUPER-CEL: Filter aid—JOHNS-MANVILLE
SUPER-CHLOR: Sodium hypochlorite—G S Robins & Co
►SUPERCHROME: Acid dyes, mordant — Allied Chem Corp, National Aniline Div
SUPERCLAD: Chemical-resistant finishes—SHERWIN-WILLIAMS CO
SUPERCLEAR: Thickeners; Gums—JACQUES WOLF & CO
SUPERCOL: Water soluble guargum, food grade—General Mills, Special Commodities Div
►SUPER DREX 75: Vitamin concentrates — Nopco Chem Co
SUPER DYLAN: Polyethylene film, high density—Koppers Co, Durethane Plant
SUPERFIL: Leather finishing agents—B B Chem Co
SUPER FLOSS: Amorphous silica—JOHNS-MANVILLE
SUPERGRIP: Adhesives, solvent evaporation—B B Chem Co
SUPERGUM H: Gums; Thickeners—JACQUES WOLF & CO
SUPERHENSIVE: Dry animal glue—Swift & Co, Adhesive Products Dept
SUPERJET: Lampblack—C K WILLIAMS & CO
SUPER KEM-TONE: Latex-emulsion wall paints—SHERWIN-WILLIAMS CO
SUPER KLOR: Industrial disinfectant—DuBois Co
SUPERLASTIC: Flexible glue—Swift & Co, Adhesive Products Dept
SUPERLEVEN: Dry animal glue—Swift & Co, Adhesive Dept
SUPER-LIMOID: Delomitic pressure hydrated lime—Warner Co
SUPERLITH: Pigments—C J Osborn Co
SUPERMUL: Corrosion inhibitors—DuBois Co
SUPER-MULTIFEX: Calcium carbonate—DIAMOND ALKALI CO
►SUPER NOPDEX: Vitamin concentrates — Nopco Chem Co
SUPEROLES; SUPEROMES: Soluble natural gum resins for perfumes—Felton Chem Co
►SUPEROXOL: Hydrogen peroxide—Merck Chem Div
►SUPERPAX, SUPERPAX A: Zirconium silicate —Titanium Alloy Mfg Div, National Lead Co
SUPERSEAL: Gums, envelope—STEIN, HALL & CO
SUPER SPECTRA: Carbon black—COLUMBIAN CARBON CO
SUPERTAK: Glue moistener—Kano Labs
SUPERTEX: Gums, textile printing—JACQUES WOLF & CO
SUPER WHITE: Filler clay—GEORGIA KAOLIN CO
SUPRAFIX: Vat dyes—GENERAL DYESTUFF CO
SUPRAK: Tanning agents—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
SUPRALAN: Dyes, acid—GENERAL DYESTUFF CO
SUPRAMINE: Dye assistants—ANTARA CHEM DIV
SUPREMUS: Dry animal glue—Swift & Co, Adhesive Products Dept
SUPRANOL: Dyes, acid—GENERAL DYESTUFF CO
SUPREX: Clay, rubber makers'—J M HUBER CORP
SURE DEATH: Insecticides, herbicides—Woodbury Chem Co
SURE-FLOC: Products—PENNSALT CHEM CORP
SURFA-ETCH: Etching solution for concrete—Rust-Oleum Corp
SURFA-SELE: Masonry protective coating—Rust-Oleum Corp
SURFAX: Wetting agents—E F Houghton & Co
SURFEX: Calcium carbonate—DIAMOND ALKALI CO
SURFOKLEEN: Metal cleaner—Amalgamated Chem Corp
►SURFONIC: Products—Jefferson Chem Co
SURFYNOL: Surface active agents, nonionic—AIR REDUCTION CHEM CO DIV
SUSPENSO: Calcium carbonate—DIAMOND ALKALI CO
SUSPENSOIL: Detergent—DIAMOND ALKALI CO
SUSTANE: Antioxidant, edible fats, oils—UNIVERSAL OIL PRODUCTS CO
SWAYDEX: Protective coatings—Maas & Waldstein Co
SWEET ARROW: Lime hydrated—H E Millard Lime & Stone Co
SWEETOSE: Corn syrup—A E Staley Mfg Co
SWIFT'S: Adhesive glue—Swift & Co, Adhesive Products Dept
SWIFT'S VISCO: Glue—Swift & Co, Adhesive Products Dept
SYLFLEX: Water repellents, leather—DOW CORNING CORP
SYLKYD: Resins, silicone-alkyd—DOW CORNING CORP
►SYLOID 72; 161; 162; 244; 308; 404; 978: Flatting agents—Davison Chem Co Div
SYNAR: Mortar—PENNSALT CHEM CORP
SYNASOL: Alcohol, denatured—UNION CARBIDE CORP
SYNCAST: Synthetic resins—Synco Resins, Inc
SYNCO: Synthetic resins—Synco Resins, Inc
SYNCOAT: Resins, coating—Synco Resins, Inc
SYNFOAM: Foaming agents—Swift & Co, General Soap Dept
SYNKLOR: Insecticide—Naugatuck Chem Div
SYNOVA: Synthetic egg yolk—Seaboard Chem
SYNPEX: Protective coatings—Maas & Waldstein Co
►SYNPOL: Synthetic rubber—Texas-U S Chem Co
SYNSIZE: Liquid urea formaldehyde resins—Synco Resins, Inc
►SYNTERGENT: Nonionic detergents, synthetic—Nopco Chem Co
SYNTEX: Alkyd resins—Jones-Dabney Co
SYNTHAMICA: Synthetic mica—Synthetic Mica Co

SYNTHAROME: Products—FLORASYNTH LABS

►**SYNTHE-COPAL: Gums, esters, solutions — Reichhold Chems, Inc**

►**SYNTHEMUL: Alkyd emulsions — Reichhold Chems, Inc**

SYNTHOFRUIT: Flavors—FLORASYNTH LABS
SYNTOGEL: Products—MORNINGSTAR-PAISLEY, INC
SYNTHRA: Products—Arnold, Hoffman & Co, Inc
SYN-U-TEX: Urea-formaldehyde resins—Jones-Dabney Co
SYNVAREN: Resins, phenol-formaldehyde, liquid—Synvar Corp
SYNVARITE P: Resins, phenol-formaldehyde, powdered—Synvar Corp
SYNVARITE U: Resins, urea-formaldehyde, powdered—Synvar Corp
SYNVAROL: Resins, urea-formaldehyde, liquid—Synvar Corp

►**SYTON: Silica sol — Monsanto Chem Co**

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►**2, 3, 6: Coupling agent—Allied Chem Corp, National Aniline Div**

3174: Etch-O-Graph—PHILIP A HUNT CO
3661: Graphol & Phenidone—PHILIP A HUNT CO
3186-G: Reclaiming oil, rubber—C P Hall Co
3-B, 4-P: Mercaptan—PENNSALT CHEM CORP
3-M: Products—Minnesota Mining & Mfg Co, Chem Products Group
3 PURPOSE BIN: Primer-sealer; Stain killer—William Zinsser Co
T-743: Paper dispersing agent—DuBois Co
TAB: Gums—MORNINGSTAR-PAISLEY, INC

►**TBTO: Bis (tri-n-butyltin) oxide, slime control—Metal & Thermit Corp**

►**T-C HYDRO: Sodium hydrosulfite—Tennessee Corp**

TC: Solvents, degreasing—Tretolite Co Divs

►**TCC: Bacteriostat—Monsanto Chem Co**

►**TDE, DDD: Insecticide—Allied Chem Corp, General Chem Div**

►**THFA: Alcohol, tetrahydrofurfuryl—Quaker Oats Co**

TK: Cleaner—DuBois Co
T-KAL: Chelating agent—DuBois Co
TL BRAND: Beeswax—Theodore Leonhard Wax Co
TME: Trimethylolethane—HEYDEN NEWPORT CHEM CORP
TMP: Trimethylolpropane—HEYDEN NEWPORT CHEM CORP
TACKMASTER: Industrial adhesives—Rubber & Asbestos Corp
TAKABATE: Tanning bate—Takamine Lab
TAKASKREEN: Enzyme, printing-screen cleaner—Takamine Lab
TAKATABS: Effervescent sodium isoascorbate tablets—Takamine Lab
TAKO: Colloidal kaolin—Thomas Alabama Kaolin Co
TALASE: Enzyme, amylase-protease combination—Takamine Lab
TALLENE: Tall oil pitch—W Va Pulp & Paper Co, Industrial Chem Sales Div
TAMAREX: Food flavoring—S B PENICK & CO

►**TAMOL: Tanning & dispersing agents, synthetic—Rohm & Haas Co**

TANAK: Tanning agents—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
TANALON: Carrier—Tanatex Chem Corp
TANALUBE: Crack inhibitor, lubricant, leveling agent—Tanatex Chem Corp
TANAMER 370: Pasting assistant—AMERICAN CYANAMID CO, ORGANIC CHEMS DIV
TANASOL: Leather treating compounds—JACQUES WOLF & CO
TANATERGE: Detergent, wetting agent, dyeing assistant—Tanatex Chem Corp
TANAVOL: Dye carrier—Tanatex Chem Corp
TANFLO: Drilling mud conditioner—Rayonier, Inc
TANGITE: Water treatment, cooling, air-conditioning—Feedwaters, Inc
TANIGAN: Tanning agent, synthetic—ANTARA CHEM DIV
TANOLIN: Tanning compounds—DIAMOND ALKALI CO

►**TANOYL: Tanning agents, mineral oil — Nopco Chem Co**

TANSY RAGWURT SPECIAL: Weed killer—Miller Products Co
TAPESTRY: Pigments, printing—GENERAL DYESTUFF CO
TAPE TACK: Glue—Swift & Co, Adhesive Products Dept
TAP SPRITE: Water purification carbons—Collier Carbon & Chem Corp
TARMASTIC: Cold applied coal tar coatings—Pittsburgh Coke & Chem Co
TAR-PET: Products—REILLY TAR & CHEM CORP
TARSET: Coal tar-epoxy resin coating—PITTSBURGH COKE & CHEM CO
TART: Pickling agent—DuBois Co
TARTAN: Colors—Magruder Color Co
TATERSAVER: Detergent compound—Britex Corp
TAXITE: Paint, varnish remover—SHERWIN-WILLIAMS CO

►**TECA: Acetate staple fiber—Eastman Chem Products**

►**TEC-ANTI-FREEZE: Anti-freeze compound—Eastman Chem Products**

TECHNOSCENT: Deodorants—Fritzsche Bros

►**TECMANGAM: Manganese sulfate — Eastman Chem Products**

►**TECQUINOL: Hydroquinone, tech—Eastman Chem Products**

►**TECSOL: Propietary ethyl alcohol — Eastman Chem Products**

TEFLON: Resin, tetrafluoroethylene—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
TEGIN: Emulsifier—GOLDSCHMIDT CHEM CORP

►**TEGO: Resin, film—Rohm & Haas Co**

►See catalog advertisement (Advertisers' Index)

TEGOSEPT; P; M: Products—GOLDSCHMIDT CHEM CORP
TELONE: Soil fumigant—DOW CHEM CO

►**TEL-TALE: Indicating silica gel — Davison Chem Co Div**

TELVAR: Weed killer—E I du Pont de Nemours & Co, Grasselli Chem
TEMEX: Vinyl stabilizers—NATIONAL LEAD CO
TEMP: Abrasives—DuBois Co
TEMPLETS: Products—BARADA & PAGE, INC

►**TENAMENE: Inhibitors, gasoline — Eastman Chem Products**

►**TENITE: Plastic molding compositions — Eastman Chem Products**

►**TENLO: Wetting & dispersing agents — Nopco Chem Co**

TENN-CREO: Wood preservative—Tennessee Products & Chem Corp
TENN-FLO: Filter aids—Tennessee Products & Chem Corp
TENN PLAS: Benzoic acid, resin grade—Tennessee Products & Chem Corp
TENN-SIL: Paint, paper fillers—Tennessee Products & Chem Corp
TENNSOLOAM: Soil conditioner—Tennessee Products & Chem Corp
TEN-O-FILM: Starch—CORN PRODUCTS CO

►**TENOX: Antioxidants, food grade—Eastman Chem Products**

TEOX: Detergent materials—BLOCKSON CHEM CO
TENSULATE: Insulation materials—Tennessee Products & Chem Corp
TERESSO Oil, turbine—ESSO STANDARD OIL CO
TERGESCENT: Oils, perfume—GIVAUDAN-DELAWANNA
TERGITOL: Surface active agents—UNION CARBIDE CORP
TERJ: Cleaner—DuBois Co
TERPANOL: Anti-stain rubber reclaiming oil—Crowley Tar Products Corp
TERRACLOR: Fungicides, turf—OLIN MATHIESON CHEM CORP, INDUSTRIAL CHEMS DIV
TERRADUSTO: Chemicals, agricultural—Miller Products Co
TERRALITE: Vermiculite—Zonolite Co
TERSAN: Thiram fungicide—E I du Pont de Nemours & Co, Grasselli Chem
TERVAN: Wax compound—ESSO STANDARD OIL CO
TETRADANE: Insecticides, farm, garden—Miller Products Co
TETRADUSTO: Insecticides, farm, garden—Miller Products Co
TETRAFLEX: Ester plasticizers—National Polychems
TETRAPOL: Drycleaning prespotters—ANTARA CHEM DIV
TETRASPRA: Insecticides, farm, garden—Miller Products Co
TETRINE: Sequestering agents—GLYCO CHEMS CO

►**TETRON: Tetraethyl pyrophosphate—American Potash & Chem Corp**

►**TETRONIC: Polyoxyethylene-polyoxypropylene ethylene-diamine—Wyandotte Chems Corp**

►**TETROSAN: Fungicides—Onyx Oil & Chem Co**

TEXAPHOR: Suspension agent—FALLEK PRODUCTS CO
TEXAPON: Detergents—FALLEK PRODUCTS CO
TEXAVON: Penetrants—AMERICAN CYANAMID CO, ORGANIC CHEM DIV
TEXCHROME: Textile indicator—FISHER SCIENTIFIC CO
TEXO-FILM: Starch—CORN PRODUCTS CO
TEX TEST: Textile identification kit—FISHER SCIENTIFIC CO
TEXTITE: Swift & Co, Adhesive Products Dept
TEXTONE: Sodium chlorite—OLIN MATHIESON CHEM CORP, INDUSTRIAL CHEMS DIV
TEXTURIZED: Pigments—MINERAL PIGMENTS CORP

►**THEDANE: Biological staining solution — Allied Chem Corp, National Aniline Div**

THERMALITE: Magnesia pipe covering, block and cement—Ehret Magnesia Mfg Co
THERMASIL: Calcium silicate pipe covering, block and cement—Ehret Magnesia Mfg Co
THERM-K: Glass fiber pipe covering, duct insulation and liner—Ehret Magnesia Mfg Co
THERMOCOL: Exothermic ferrocolumbian—Vanadium Corp of America
THERMO-O-FLAKE: Insulation materials—Illinois Clay Products Co
THERMOGRIP: Adhesives, thermal fusion—B B Chem Co
THERMOIL-GRANODINE: Products-Amchem Products, Inc
THERMOKROM: SIL: Exothermic products—Vanadium Corp of America

►**THERMOLITE: Organotin stabilizers—Metal & Thermit Corp**

THERMOSCENT: Deodorants—Fritzsche Bros
THERMOSIL: Exothermic ferrosilicon—Vanadium Corp of America
THERMOVAN: Exothermic ferrovanadium—Vanadium Corp of America
THIAZOL YELLOW: Dyes, direct—GENERAL DYESTUFF CO
THICK COAT: Paints, acid-alkali resistant, corrosion resistant—PENNSALT CHEM CORP

►**THIOFIDE: Rubber accelerator — Monsanto Chem Co**

►**THIOKOL: Products—Thiokol Chem Corp**

THIOMENT: Putty—Atlas Mineral Products Co

►**THIOTAX: Rubber accelerator — Monsanto Chem Co**

►**THIOVANIC ACID: Acid, thioglycolic, vacuum-distilled—Evans Chemetics**

►**THIOVANOL: Thioglycerol — Evan Chemetics**

►**THIURAD: Rubber activator — Monsanto Chem Co**

THIXCIN: Agents, thixotropic, thickening, suspension—BAKER CASTOR OIL CO
THIXON: Agents, bonding—Dayton Chem Products Labs
THORON: Thorium reagent—FINE ORGANICS
THREE DEE: Insecticides, farm, garden—Miller Products Co

►**THREE ELEPHANT: Boran products—American Potash & Chem Corp**

THREE STAR: Ozokarite—INTERNATIONAL WAX REFINING CO
THRIVE: Lawn fertilizer, mixed—International Minerals & Chem Corp, Plant Food Div
THUR-MA-LOX: Coatings, protective—Dampney Co
THYLATE: Thiram fungicide—E I du Pont de Nemours & Co, Grasselli Chem
TI-CAL: Titanium calcium pigment—E I du Pont de Nemours & Co, Pigments Dept
TIMET: Products—Titanium Metals Corp of America
TINOPAL: Optical brightening agent—Geigy Industrial Chems Div
TIN-SAN: Bactericide, fungicide—Norton Chem Works
TINSPOT: Glue—Swift & Co, Adhesive Products Dept
TINTINOL: Fugitive tints—Borne Chem Co
TINUVIN P: Ultraviolet light absorber—Geigy Industrial Chems Div
TIP-TOP: Antifreeze—Thompson Chem Co
TI-PURE: Titanium dioxide—E I du Pont de Nemours & Co, Pigments Dept
TIRAP: Glue—Swift & Co, Adhesive Products Dept
TISSUE MAT: Specimen mounting medium—FISHER SCIENTIFIC CO
TITANOX: Pigments, white—Titanium Pigment Corp
TOCOTONE: Products—Tropical Paint Co
TOLAD: Inhibitors, gum; Antioxidants, petroleum—Tretolite Co Divs
TOLERON: Ferrous fumarate—MALLINCKRODT CHEM WORKS
TOMATO SET: Plant hormone—Miller Products Co
TONA: Meat tenderizer—Wallenstein Co
TONSIL: Activated clay—L A SALOMON & BRO
TOPANOL A: 2, 4 dimethyl-6-tertbutylphenol—CHEMICAL MFG CO
TORANIL: Calcium lignin sulfonate—LAKE STATES YEAST DIV
TORCH BLACK: Lampblack—COLUMBIA CARBON CO
TOREX: Enamels, paints, acid-resisting—Inertol Co
TOREX PRIMER: Paints, metal primers—Inertol Co
TORRIDEX: Sulfonated tallow—Warwick Chem Co Div
TOWER BRAND: Products—CHAS L HUISKING & CO
TOXADUSTO: Insecticides, farm, garden—Miller Products Co
TOXASPRA: Insecticides, farm, garden—Miller Products Co
TOXIMUL: Agricultural emulsifiers—STEPAN CHEM CO
TRAGTEX: Textile printing—Arnold, Hoffman & Co
TRANSISTAR: Chemicals, electronic—MALLINCKRODT CHEM WORKS
TRANSIT KLEEN: Automotive specialties—DuBois Co
TRANSPLANTONE: Products—Amchem Products, Inc
TRANSPHALT: Hydrocarbon polymers, deep-cracked petroleum—PENNSYLVANIA INDUSTRIAL CHEM CORP
TRAZITE: Cleaners, metal—Oakite Products
TREADMASTER: Industrial adhesives—Rubber & Asbestos Corp
TREK: Anti-freeze—NATIONAL CARBON CO

►**TREM: Wetting & dispersing agents—Nopco Chem Co**

TRENISOL: Acrylic resin emulsion compounds—Alco Oil & Chem Corp

►TRED PAX: Zirconium oxide—Titanium Alloy Mfg Div, National Lead Co

TRET-O-LITE: Demulsifiers; Dehydrating agents—Tretolite Co Divs

TREX: Cleaning agent—DuBois Co

►TREX: Emulsifier, insecticide—Nopco Chem Co

TRIBASE: Stabilizer, vinyl—NATIONAL LEAD CO

►TRI BASIC: Foliage fungicide—Tennessee Corp

TRICLENE: Trichlorethylene—E I du Pont de Nemours & Co, Electrochem Dept

TRIDEE: Vitamine D_3—Sterwin Chems, Inc

TRI-EXCEL: Insecticidal dust concentrates—S B PENICK & CO

TRI-MAL: Stabilizer, vinyl—NATIONAL LEAD CO

TRIMAR: Trichloroethylene—Ohio Chem & Surgical Equipment Co

TRIMENE: Accelerator, rubber—Naugatuck Chem Div

TRIMET: Trimethylolethane—Trojan Powder Co

TRI-OL: Emulsifying oils—L SONNEBORN SONS

►TRIOSUL: Stabilized liquid sulfur trioxide—Monsanto Chem Co

TRIPENTEK: Tripentaerythritol, technical—HEYDEN NEWPORT CHEM CORP

TRIPHOSADEN: Adenosine triphosphate—Schwarz Labs

TRIPLACT: Foundry clay—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS DEPT

TRIPLE A: Paint products—Quigley Co

TRIPLE A 10 PLASTIC: Insulating paints—Quigley Co

TRIPLEMATIC: Resin pump—H V Hardman Co

TRIPTIDE: Sodium glutathione—Schwarz Labs

TRISCO: Penetrants, textiles—Scholler Bros

TRISOLVOIL: Products—Berkshire Color & Chem Corp

TRI-SUL-ITE: Pipe insulation—G S Ziegler & Co

TRITHIADOL: Coccidiostat, poultry—Sterwin Chems, Inc

►TRITON: Wetting, emulsifying, dispersing, scouring agents—Rohm & Haas Co

TROJAN: Chemicals & explosives—Trojan Powder Co

TROLUOIL: Solvents, varnish—Anderson-Prichard Oil Corp

TROPELITE: Products—Tropical Paint Co

TROPOXY: Products—Tropical Paint Co

►TRONA: Chemicals — American Potash & Chem Corp

►TRONABOR: Crude pentahydrate borax — American Potash & Chem Corp

TRUFLEX: Plasticizers—Thompson Chem Co

TRULON: PVC resin—Thompson Chem Co

TRYSBEN: Weed killer—E I du Pont de Nemours & Co,

TUFTOP: Light-sensitive plate coating—MALLINCKRODT CHEM WORKS

TUG O WAR: Glue—Swift & Co, Adhesive Products Dept

TULIP-TONE: Pigments pastes, water dispersible—Holland Color & Chem Co

TUMEROL: Condiment—S B PENICK & Co

TURBOIL: Turbine oils—Borne Chem Co

TURGUM: Rubber, compounding materials—J M HUBER CORP

TURPOL: Rubber plasticizer—Minnesota Mining & Mfg Co, Chem Div

TWEED: Coatings, spray—Raffi & Swanson

TWEEN: Surface active agents, nonionic—ATLAS POWDER CO, CHEMS DIV

TWITCHELL: Textile specialties—EMERY INDUSTRIES

TWO-SIXTY-TWO: Feed compound—E I du Pont de Nemours & Co, Polychem Dept

TYBON: Synthetic resins—America-Marietta Co

TY-BOND: Phosphate coating—COWLES CHEM CO

TYNEX: Nylon filaments—E I DU PONT DE NEMOURS & CO, POLYCHEM DEPT

TYPE-41: Clays, insecticidal dusting—Southeastern Clay Corp

TYPE-50: Rubber makers' clays—Southeastern Clay Co

TYPHOON: Insect powder—S B PENICK & CO

TYRENE: Dye assistants—DIAMOND ALKALI CO

TYRIL: Plastic—DOW CHEM CO

U

UOP 1, 4, 5, 5S, 7, S7: Inhibitors—UNIVERSAL OIL PRODUCTS CO

UOP 88, 288: Rubber anticozonant—UNIVERSAL OIL PRODUCTS CO

USCO: Cleaners, polishers—Uncle Sam Chem Co

USG: Agricultural gypsum, lime, plaster—United States Gypsum Co

►USI PERMADRY: Vitamin A feed supplement—U S Industrial Chems Co

UBABOND: Acrylonitrile solvent cement—U B S Chem Corp

UBAGRIP: Solvent type cement—U B S Chem Corp

UBATOL: Modified polystyrene emulsion—U B S Chem Corp

►UCILON: Protective coatings—Metal & Thermit Corp

UCON: Glycols, polyalkylene—UNION CARBIDE CORP

U-COP-CO: Products—UNITED CHEM & ORGANIC PRODUCTS

ULTEX: Rubber accelerator—C P Hall Co

ULTRAFLEX: Waxes, microcrystalline—BARECO WAX CO DIV

ULTRA-LITE: Laundry sour—National Industrial Products Co

ULTRIMIN: Textile softeners—ULTRA CHEM WORKS DIV

ULTRACAL: Gypsum cements—United States Gypsum Co

ULTRAPOLE: Fatty amine condensates; Emulsifiers; Softeners—ULTRA CHEM WORKS DIV

►ULTROX: Zirconium opacifiers—Metal & Thermit Corp

UNADOL: Alcohols — Archer-Daniels-Midland Co

UNIBAC: Fabric backings—UBS Chem Corp

►UNICHROME: Plastisols; Plating compounds; Lacquers—Metal & Thermit Corp

UNICOR: Petroleum corrosion preventitive—UNIVERSAL OIL PRODUCTS CO

UNIFLO: Oil, motor—ESSO STANDARD OIL CO

UNITED STATES GELATINES: Edible, technical—Peter Cooper Corp

UNITANE: Pigments—AMERICAN CYANAMID CO, PIGMENTS DIV

UNITOL: Products—UNION BAG-CAMP PAPER CORP

UNIVIS: Oil, hydraulic—ESSO STANDARD OIL CO

UNIVOLT: Oil, electrical insulating—ESSO STANDARD OIL CO

UPABOL: Adhesives, solvent based—UBS Chem Corp

URAC: Resin adhesives—American Cyanamid Co, Plastics & Resins Div

URALANE: Coatings, polyurethane—Furane Plastics

URA-GREEN: Nitrogen solution, direct application—Spencer Chem Co

URAMITE: Fertilizer compound—E I du PONT de NEMOURS & CO, POLYCHEM DEPT

URAMON: Ammonia liquors—E I du PONT de NEMOURS & CO, POLYCHEM DEPT

UREFOAM: Insulation materials—Atlas Mineral Products Co

►UROX: Weed killer—Allied Chem Corp, General Chem Div

UVERITE: Porcelain enamel opacifier—HARSHAW CHEM CO

UVERSOFTO: Softening agent—HARSHAW CHEM CO

UVERSOL: Driers—HARSHAW CHEM CO

►UVO, UVO-CRYST: Vitamin D — Nopco Chem Co

V

V-90: Calcium phosphate—VICTOR CHEM WORKS

►VA-7: Polysulfide vulcanizing agent — Thiokol Chem Corp

►V-BOR: Refined pentahydrate borax—American Potash & Chem Corp

►V-C: Products—Virginia-Carolina Chem Corp

VGB: Antioxidant, rubber—Naugatuck Chem Div

VVF: Fine pigments—C K WILLIAMS & CO

VAC DRY: Bleached shellac—William Zinsser Co

VACUMETAL: Mercury—METALSALTS CORP

►VADREX: Vitamin concentrates — Nopco Chem Co

VALEX: Vanilla concentrate—R D Webb & Co

VANDRYNILLA: Flavoring products—S B PENICK & CO

VANETTE: Perfume base—FLORASYNTH LABS

VANILAROME: Products—FLORASYNTH LABS

VANILLA VERITAS: Products—FLORASYNTH LABS

VANILLIC ESTER: Products—FLORASYNTH LABS

VANIPROX: Vanilla products, powdered—Dodge & Olcott

VANITROPE: Artificial vanilla—Shulton, Inc

VAPAD: Vitamin A palmitate—CHAS PFIZER & CO

►VAPAM: Weed killer insecticide—Stauffer Chem Co

VARCUM: Synthetic resins—Varcum Chem Corp

VARIAMINE: Dyes, azoic—GENERAL DYESTUFF CO

VARNITIZED: Filter fabric—Varniton Co

VARNITON: Label varnish; Stopcock lubricant—Varniton Co

VARSOL: Products—ESSO STANDARD OIL CO

►VASOFLAVINE: Fluorescent histological stain—Allied Chem Corp, National Aniline Div

VATROLITE: Sodium hydrosulfite—Royce Chem Co

►VEGADEX: Weed killer—Monsanto Chem Co

VECO: Flavors, colors—V&E Kohnstamm Inc

VEL: Detergents—Colgate-Palmolive Co

VELVAMINE: Softener—REFINED PRODUCTS CORP

VELVASIL: Cosmetic, pharmaceutical grade silicone fluids—GENERAL ELEC CO, SILICONE PRODUCTS

VELVETSCREEN-ETCH: Glass etching compounds—McKay Chem Co

VELVET RAINBOW: Laundry starch—HERCULES POWDER CO

VELVEX: Clays, insecticidal dusting—Southeastern Clay Co

VELVORAY: Sulfonated vegetable oil—Royce Chem Co

VELVO SOFTENER: Sulfonated tallow—Royce Chem Co

VENITURP: Turpentine, venice, synthetic—S B PENICK & CO

VERABORE: Alkaloids, veratrum viride—S B PENICK & CO

►VEREL: Textile fiber, modified acrylic—Eastman Chem Products

VERSALIDE: Polycyclic musk—GIVAUDAN

►VERSAMID: Resins, polyamide — General Mills, Chem Div

VERSENE: Chelating agent—DOW CHEM CO

VERSENATE: Chelating agent—DOW CHEM CO

VERSENOL: Chelating agent—DOW CHEM CO

VERSILAD: Sodium silicate—DIAMOND ALKALI CO

VERSILATE: Binders, hardboard—DIAMOND ALKALI CO

VERSILUBE: High-temperature lubricants—GENERAL ELEC CO, SILICONE PRODUCTS

VEXTRAM: Cereal enrichment, pre-mix—Sterwin Chems, Inc

VEZ: Defoamers—Tretolite Co Divs

►VIAD: Vitamin concentrates—Nopco Chem Co

►VIADEX: Vitamin concentrates — Nopco Chem Co

VIANDAROME: Flavors, meat packers'—Fritzsche Bros

VIANOL: Antioxidant—Shell Chem Corp

VIBRA-MOUNT: Shock absorbers—American Felt Co

VIBRATHANE: Polyurethane rubber, foam base materials—Naugatuck Chem Div

VIBRIN: Resins, polyester—Naugatuck Chem Div

VICHROME: Vinyl coatings—Interchem Corp, Finishes Div

VICRON: Whiting—C K WILLIAMS & CO

VICRUM: Vital wheat gluten—HERCULES POWDER CO

VICTOR: Industrial Starches—National Industrial Products Co

VICTOR CREAM: Sodium acid pyrophosphate—VICTOR CHEM WORKS

VICTORY: Waxes, microcrystalline—BARECO WAX CO DIV

►VINAC: Polyvinyl acetate—Colton Chem Co

VINCOTE: Products—Detrex Chem Industries

►VINOL: Polyvinyl alcohol resins—Colton Chem Co

VINYCOL: Pigment dispersions—C J Osborn Co

VINYL DEX: Adhesives, envelope; Resins—National Starch & Chem Corp
VINYLON: Vinyl protective coatings—BETTER FINISHES & COATINGS
VINYLUM: Pigments, aluminum; Plastic—ARGUS CHEM CORP
VIOLAMINE: Dyes, azoic—GENERAL DYESTUFF CO
VIOLITE: Luminescent pigments—Rhode Island Labs

►VIRGO: Cleaners and descalers, metal—Hooker Chem Corp

VISCARIN: Sodium carrageenate—MARINE COLLOIDS, INC
VISCASIL: High-viscosity silicone fluids—GENERAL ELEC CO, SILICONE PRODUCTS
VISCO: Glue—Swift & Co, Adhesive Products Dept
VISCOSINE: Air filter oils—Borne Chem Co

►VISTANEX: Polybutenes—Enjay Co

VISTEX: Gaskets—American Felt Co

►VISTONE: Additives, lubricant—Enjay Co

►VITAB: Vitamin concentrates — Nopco Chem Co

►VITA COD LIVER OIL: Vitamin D—Nopco Chem Co

VITALUBE: Oils, penetrating—White & Bagley Co
VITATONE: Hormones, plane—Miller Products Co
VITECT EPOXY, VITECT VINYL: Chemical-resistant protection coatings—Benj Foster Co

►VITEX: Vitamin concentrates—Nopco Chem Co

VITINC: Products—VITAMINS, INC.
VITON: Synthetic Rubber—E I du Pont de Nemours & Co, Elastomer Chems Dept
VITOZONE: Deodorant—Fuld Bros
VITRAFOS: Sodium polyphosphate, glassy—A R Maas Chem Co Div & VICTOR CHEM WORKS
VITREA: Urea—Deere & Co, Grand River Chem Div
VITREX: Acid-alkali-solventproofing compounds—Atlas Mineral Products Co
VITRILAN: Thermosetting acrylic finishes—Interchem Corp, Finishes Div
VITROBOND: Acid-alkali-solventproofing compound—Atlas Mineral Products Co
VITROLAN: Dyes, acid—Sandoz, Inc
VITROPLAST: Acid-alkali-solventproofing compound—Atlas Mineral Products Co
VOLAN: Bonding agent—E I du Pont de Nemours & Co, Grasselli Chems Dept
VOLCLAY: Bentonite clay—AMERICAN COLLOID CO
VOLSEAL: Insulating compounds, electrical—JOHNS-MANVILLE

►VUEPAK: Cellulose acetate—Monsanto Chem Co

VULCA: Starch—National Starch & Chem Corp
VULCACURE: Dithiocarbamate—Alco Oil & Chem Corp
VULCAN: Carbon black, oil furnace—GODFREY L CABOT
VULCANOL: Latex compounds—Alco Oil & Chem Corp
VULCARITE: Latex dispersions—Alco Oil & Chem Corp
VULNOPOL: Polymerization shortstop—Alco Oil & Chem Corp
VULTAC: Vulcanizing agent, rubber compounding materials—PENNSALT CHEM CORP
VULTEX: Latex compounds—General Latex & Chem
VYGEN: Polyvinyl chloride resin—General Tire & Rubber Co
VYNEZE: Polyvinyl resin slip agent—FINE ORGANICS

W

W & B: Products—White & Bagley Co

►WALLKYD: Alkyd flat wall vehicles—Reichhold Chems, Inc

►WALLPOL: Emulsions, polyvinyl acetate—Reichhold Chems, Inc

►WARCO: Microcrystallines—Warwick Wax Div

WARCOFIX: Textile fixing agents—Warwick Chem Co Div
WARCOLENE: Textile, paper softeners—Warwick Chem Co Div
WARCOLUBE: Textile lubricants—Warwick Chem Co Div
WARCONYL: Flameproofing compounds—Warwick Chem Co Div

►WARCOSINE: Microcrystalline, plastic — Warwick Wax Div

WARCOSOL: Wetting agents—Warwick Chem Co Div
WARP CONDISIONER: Sizing compounds—E F Houghton & Co
WATCHUNG: Products—E I du Pont & Co, Pigments Dept
WATERITE: Boiler water treatment—Feedwaters, Inc
WATER SPRITE: Water purification carbons—Collier Carbon & Chem Corp

►WATEREZ: Water soluble alkyd resins — Reichhold Chems, Inc

►WAXINE: Paper resins—American Cyanamid Co, Industrial Chem Div

WAXSOAP: Cleaner-polish—Uncle Sam Chem Co
WEATHERBAN: Masonry sealer—Minnesota Mining & Mfg Co; Adhesives, Coatings & Sealers Div
WEDCO: Products—Western Chem & Mfg Co
WEEDALL: Weed killers—Miller Products Co
WEEDICIDE: Products—Thompson Chem Corp
WEEDO: Weed killers—Miller Products Co
WEEDOIL: Weed killers—Miller Products Co
WEEDONE: Products—Amchem Products, Inc
WELDAL: Aluminum welding compound—Enthone, Inc
WELD-O-BOND: Bonding agent, masonry—California Stucco Products of N E
WELDOX: Paint brush adhesive—H V Hardman Co
WESTONITE: Foundry clay—INTERNATIONAL MINERALS & CHEM CORP, EASTERN CLAY PRODUCTS DEPT
WETABLENE: Spreaders, agricultural spray—Miller Products Co
WET-EGE: Thinners, paint—Anderson-Prichard Oil Corp
WETSIT: Wetting agents; Textile compounds—JACQUES WOLF & CO
WHEATEX: Laundry starch—HERCULES POWDER CO
WHEEL KING: Abrasives—Wallace A Erickson & Co
WHITE COSMETIC WAX: Beeswax, synthetic—INTERNATIONAL WAX REFINING CO
WHITEGARD: Whitening agent—PENNSALT CHEM CORP
WHITE HOUSE: Products—Woodbury Chem Co
WHITEKOTE: Dolomitic hydrated lime—Moores Lime Co

►WILIMID: Nitrogen derivatives, fatty acids —Wilson-Martin (Div Wilson & Co)

►WILMAR:Fatty acids; Emulsifiers; Esters—Wilson-Martin (Div Wilson & Co)

WILTROL: Retarders—National Polychems
WINDOW WAX: Glass cleaner—Uncle Sam Chem Co
WINDSOR FELT: Filter media—American Felt Co
WING-STAY: Rubber antioxidant—Goodyear Tire & Rubber Co, Chem Div
WING-STOP: Polymerization inhibitor—Goodyear Tire & Rubber Co, Chem Div
WINTERGREEN: Germicide—Uncle Sam Chem Co
WINTRO: Antifreeze—Thompson Chem Co
WIPAWAY: Cleaners—Techniservice

►WITALL: Driers, tallates—Witco Chem Co

►WITCARB: Calcium carbonate — Witco Chem Co

►WITCIZER: Plasticizers—Witco Chem Co

►WITCO: Chemicals, industrial—Witco Chem Co

►WITCOBLACK: Carbon black—Witco Chem Co

►WITCOTE: Asphalt compounds — Witco Chem Co

►WITTOX: Fungicides—Witco Chem Co

WOCO: Shellac—H M Wocher & Son Co
WONDER: Disinfectants, polishes—Uncle Sam Chem Co
WOOD-KILL: 2, 4, 5-T herbicides—Woodbury Chem Co
WOOD-LOK: Resins, adhesive—National Starch & Chem Corp
WOOD-RIDGE MIXTURE 21: Turf fungicide—F W Berk & Co
WOODTROL: Wood preservatives—NATIONAL CASEIN CO
WOOD-WELD: Cement, waterproof—Lox Mfg Co

►WYANDOTTE BETTER BLEND SODA: Sodium bicarbonate—Wyandotte Chem Corp
WYESOL: Cleaning compounds—Wye Industries
WYEX: Carbon black—J M HUBER CORP
WYTENO: Laundry color stripper—Kuehne Chem Co

X

X-12: Flame retardant—E I du Pont de Nemours & Co, Grasselli Chems Dept
XL: Fuller's earth—L A SALOMON & BRO
X-IT: Wood preservative—Sullivan Co

►X-OX: Polishing powder—Davison Chem Co (Rare Earths)

XX: Zinc oxide—New Jersey Zinc Co
XXTRA-FINE SOLUBOLIZED: Clarifier, beverages—J O Whitten Co, Inc
XYLENE: Dyes, acid—Sandoz, Inc

Y

►YANKEE: Potash feldspar — International Minerals & Chem Corp, Industrial Minerals Div

YEASTEX: Yeast food—Schwarz Labs

Z

ZAKURA: Perfume base—FLORASYNTH LABS
ZAPONIN: Products—FLORASYNTH LABS
ZECO: Products—G S Ziegler & Co
ZEEN: Cleaners, detergents, spot remover—Zeen Chem Co
ZEFRAN: Acrylic alloy fiber—DOW CHEM CO
ZEO-DUR: Resins, ion-exchange—Permutit Co
ZEO-KARB: Resins, ion-exchange—Permutit Co
ZEOLEX: Reinforcing pigments, rubber—J M HUBER CORP
ZEPHYROID: Cleaners—DuBois Co
ZEREX: Anti-freeze—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
ZERLATE: Ziram fungicide—E I du Pont de Nemours & Co, Grasselli Chem
ZEROK 101: Products—Atlas Mineral Products Co
ZEROKOTE: Coatings, waterproof—JOHNS-MANVILLE
ZERONE: Anti-freeze—E I du PONT de NEMOURS & CO, POLYCHEM DEPT
ZEST: Sodium glutamate—A E Staley Mfg Co
ZIALITE: Nickel plating solutions—Zialite Corp
ZIG-ZAG: Variegated ice cream flavoring—David Michael & Co
ZIMCO: Lignin vanillin—Sterwin Chems, Inc
ZINLAC: Products—William Zinsser Co
ZIN-O-LYTE: Products—E I du Pont de Nemours & Co, Electrochem Dept
ZINSUL: Zinc ethylene bis disulfide—Nash Chem Co
ZIRBERK: Ziram fungicide—F W Berk & Co
ZIRCO 6%: Paint & varnish driers—ADVANCE SOLVENTS & CHEM DIV
ZIRCOA: Products—Zirconium Corp of America

►ZIRCOPAX: Zirconium silicate—Titanium Alloy Mfg Div, National Lead Co

►ZIRCOTAN: Tanning agent, mineral—Rohm & Haas Co

ZOBAR: Weed Killer—E I du Pont de Nemours & Co, Grasselli Chems Dept
ZONOLITE: Vermiculite—Zonolite Co
ZYTEL: Resin, nylon—E I du PONT de NEMOURS & CO, POLYCHEM DEPT

Chemical Week

BUYERS' GUIDE ISSUE for 1960

Services

COMPANY DIRECTORY ..... p. 584
Addresses and telephone numbers for all companies and individuals included in the Services section.

SERVICES DIRECTORY ..... p. 587
A comprehensive guide to companies and individuals offering technical services to the chemical process industries: expert consulting services; laboratory or testing facilities; design engineering; plant construction; research assistance; milling and packaging facilities; other specialized services.

Services included in this section are listed alphabetically by general category, with specific descriptions following the general heading. Included among the general headings are services such as analyses, blending, cleaning, consultants, design, fabrication, inspection, milling, pilot manufacture, plants, research and development, storage, surveys, testing and numerous others. These categories are then more specifically classified by headings such as "Consultants, Corrosion," "Milling, Insecticides," "Research & Consulting, Safety" and "Research & Development, Hydrometallurgy." In the case of plants, the various headings such as "Plants, Ammonium Nitrate" refer to design, engineering and/or construction services available for the building of the given type of plant.

Editorial policy for listings in the Services section

1. Free and unlimited listings are allowed for all technical services a company performs on a charge basis for other companies or other individuals, provided such services are useful to the chemical process industries.
2. Services performed by a given company as a part of its own internal or sales operations are not to be included unless most of this service is done on a charge basis.

See page 2 for explanation of symbols and "How to use the Buyers' Guide Issue"

SERVICES COMPANY DIRECTORY

A

A-M-R Chem Co, Inc, 985 E 25 St, Bklyn 10, N Y Cloverdale 3-8300
Ace Glass Inc, N W Blvd, Vineland, N J Oxford 2-3333
Adhesive Products Corp, 1660 Boone Ave, N Y 60 Kilpatrick 2-4600
AEROPAK, INC, 5000 W 41 St, P O Box 112, Cicero Branch, Chicago, Ill Lafayette 3-5600
Afta Solvents Corp, 470 W 128 St, N Y 27 Monument 3-2000
Alchem, P O Box 8314, Orlando, Fla Garden 5-8439
Vern E Alden Co, 33 N LaSalle St, Chicago 2, Ill Franklin 2-0255
Allied Analytical & Research Labs, 3833 Cedar Springs, Dallas 9, Texas Lakeside 8-1335
►**ALLIED CHEM CORP, SEMET-SOLVAY ENGR DIV,** 40 Rector St, N Y 6 Hanover 2-7300
American Air Filter Co, Inc, 215 Central Ave, Louisville, Ky Melrose 7-3611
American Air Liquide, Inc, 405 Lexington Ave, N Y C Yukon 6-6544
American Agile Corp, P O Box 168, Bedford, Ohio MO 2-6900
American Bio-Chem Lab, Inc, 1113 N Rolling Rd, Baltimore 28, Md Ridgeway 7-4928
American Bio-Synthetics Corp, 710 W National Ave, Milwaukee 4, Wis Evergreen 4-7017
American Chem Service, Inc, Colfax Ave & C & O RR, Griffith, Ind Temple 8-4370
AMERICAN OIL & SUPPLY CO, 238 Wilson Ave, Newark 5, N J Market 2-0250
N Y C: Rector 2-6273
American Water Softener Co, 4 St & Lehigh Ave, Phila 33, Pa Regent 9-3195
Ames Labs Inc, 132 Water St, S Norwalk, Conn VO 6-9840
Ampion Corp, 4-88 47 Ave, Long Island City 1, N Y Stillwell 4-3374
Anthony Engrg Co, 24 Bush Ave, Staten Island 3, N Y Gibralter 8-2121
Applied Radiation Corp, Walnut Creek, Cal YE 5-2250
Arabol Mfg Co, 110 E 42 St, N Y 17 Oxford 7-1150
ARAPAHOE CHEMS, INC, 2800 Pearl St, Boulder, Col Hillcrest 2-1926
Arcos Corp, 1500 S 50 St, Phila 43, Pa Saratoga 7-1500
M Argueso & Co, Inc, 441 Waverly Pl, Mamaroneck, N Y Owens 8-8500
Aries Associates, Inc, 77 South St, Stamford, Conn DA 5-2236
Aries Labs, Inc, 45-33 Davis St, Long Island City 1, N Y Ravenswood 9-9001
Arnkurt Associate Engrs, 210 W 29 St, N Y 1 LA 4-8595
Arol Chem Products Co, 371-381 Wayne St, Jersey City 2, N J Henderson 2-4710
Artisan Metal Products, Inc, 73 Pond St, Waltham 54, Mass Twinbrook 3-6800
Associated Analytical Labs, 336 Lexington Ave, N Y 16 Oxford 7-4540
Associated Brands, Inc, 50 Wallabout St, Bklyn 11, N Y Ulster 5-2900
Associated Sales & Supply Co, 5137 Southwest Ave, St Louis 10, Mo Prospect 2-2200
Associated Testing Labs, Inc, 139 Clinton Rd, Caldwell, N J Capital 6-7407
Atlantic Research Corp, 901 N Columbus St, Alexandria, Va King 9-7500
Atomic Research Lab, 10717 Venice Blvd, Los Angeles 34, Cal TE 0-1161
Austin Formulating Co, 209 Pleasant Valley Rd, Austin 2, Tex Greenwood 6-9379
Automotive Rubber Co, Inc, 12550 Beech Rd, Detroit 39, Mich Kenwood 2-3000

B

B-R Analytical Research Labs, 216 E 70 St, N Y 21 BU 8-5329
Baird-Atomic, Inc, 33 University Rd, Cambridge 38, Mass University 4-7420
(The) Babcock & Wilcox Co, 161 E 42 St, N Y 17, N Y MU 7-6700
W L Badger & Assoc, Inc, 309 S State St, Ann Arbor, Mich Normandy 2-6142
C P Baker & Co, 501 N 11 St, Phila 23, Pa Poplar 5-7720
J T BAKER CHEM CO, N Broad St, Phillipsburg, N J 5-2151
M H Baker Co, 109 Portland Ave S, Minneapolis, Minn Federal 8-6903
Baker Perkins, Inc, 1000 Hess St, Saginaw, Mich Pleasant 2-4121
Barall Assoc, 550 5 Ave, N Y 36 Plaza 7-3638
Barkley & Dexter Labs, Inc, 50 Frankfort St, Fitchburg, Mass Diamond 3-3716
Barlow Chem Corp, Barlow Lane, Ossining, N Y Wilson 1-2612
BARNEBEY-CHENEY CO, Cassady & B Aves, Columbus 19, Ohio Clearbrook 8-9501
Battelle Memorial Institute, 505 King Ave, Columbus 1, O Axminster 9-3191
Bauer Bros Co, Burt & Sheridan Ave, Springfield, O FA 3-5501
Bechtel Corp, 220 Bush St, San Francisco 4, Cal Douglas 2-4032
Bennett, Inc, 678 Massachusetts Ave, Cambridge, Mass TR 6-3200
Bennett-Rosendahl Co, Inc, 10 Columbus Circle, N Y C JU 6-6380
Berkshire Color & Chem Corp, 210 Albany St, Springfield, Mass Republic 6-8359
Bethlehem Apparatus Co, Inc, 890 Front St, Hellertown, Pa Terrace 8-3691
Betz Labs Inc, Gillingham & Worth Sts, Phila 24, Pa Pioneer 4-2200
Bio-Rad Labs, 1253 S 32 St, Richmond, Cal Beacon 4-4130
Bjorksten Research Labs, P O Box 1175, Madison, Wis Alpine 6-5581
Blaw-Knox Co, 300 6 Ave, Pittsburgh 22, Pa Express 1-1244
S Blickman, Inc, 3100 Gregory Ave, Weehawken, N J Union 3-0800
Blount-Tears, Inc, 79 Commercial St, P O Box 949, Montgomery, Ala Amherst 4-8401
Boardman Co, Mfg Div, 1401 SW 11 St, Oklahoma City 1 Okla Melrose 4-5434
BONEWITZ CHEM, INC, 1731 N Roosevelt Ave, P O Box 589, Burlington, Iowa Plaza 4-6561
G L Bonwitt Labs, 17 W 60 St, N Y 23 Circle 6-5328
Bowen Engrg, Inc, Station Rd, North Branch, N J Randolph 5-3232
C F Braun & Co, 1000 S Fremont Ave, Alhambra, Cal CU 3-1131
Chas R Bragdon, 4 Rock Ridge Rd, Larchmont, N Y Tennyson 4-2703
BRISTOL LABS, INC, 630 5 Ave, N Y 20 Plaza 7-8520
Britex Corp, 17-18 Lewis Wharf, Boston, Mass Richmond 2-0233
BROWNING CHEM CORP, 295 Madison Ave, N Y 17 MU 6-5420
Buflovak Equipment Div, 1579 Fillmore Ave, Buffalo 11, N Y Fillmore 2100
Chem Plants Div, 300 6 Ave, Pittsburgh 22, Pa Express 1-1244
Bull & Roberts, Inc, 117 Liberty St, N Y 6 WO 2-2132

C

CDC Control Service, 117 Liberty St, N Y 6 WO 2-2132
C T L, Inc, 1240 Glendale-Milford Rd, P O Box 227, Cincinnati 15, Ohio Princeton 1-3200
J C Carlile Corp, 432 Cooper Bldg, Denver 2, Colo Amherst 6-0603
Callery Chem Co, 9600 Perry Hywy, Pittsburgh 37, Pa Forest 4-1310
Calkin & Bayley, Inc, Industrial Consultants, 50 E 41 St, N Y 17 Lexington 2-1954
Cartmell, Scott & Assoc, Inc, 159 E 49 St, N Y 17 Murray Hill 8-0431
Catalytic Combustion Corp, 4728 14, Detroit 8, Mich Tyler 8-8700
Catalytic Construction Co, 1528 Walnut St, Phila 2, Pa Kingsley 5-7500
Ceilcote Co, Inc, 4832 Ridge Rd, Cleveland 9, O Shadyside 1-4220
Central Steel & Tank Co, 1106 N 16 Ave, P O Box 13, Yakima, Wash Glencourt 2-9143
Chase Chem Corp, 3527 Smallman St, Pittsburgh 1, Pa Museum 1-6544
Chase Products Co, 20 & Gardner Rd, Broadview, Ill Austin 7-1622
CHEMICAL AFFILIATES, INC, 276 Madison Ave, N Y 16 Murray Hill 3-2593
Chemical Coatings & Engrg Co, Inc, 222 Brooke St, Box 305, Media, Pa Lowell 6-7470
Chemical Construction Corp, 525 W 43 St, N Y 36 Longacre 4-9400
Chemical Development Corp, Endicott St, Danvers, Mass Spring 4-1990
Chemical Economic Services, P O Box 468, Princeton, N J Walnut 1-8468
Chemical & Engrg Associates, 7127 Marshall Rd, Upper Darby, Pa Sherwood 8-1609
Chemical Mktg & Research Co, 10 E 39 St, N Y 16 MU 5-8636
Chemical Products Corp, King Philip Rd, E Providence 14, R I Geneva 4-1770
Chemical Research Associates Inc, Essex Bldg, Bernardsville, N J 8-1533
Chemical Translating Service, 881 Lytton Ave, Palo Alto, Cal Davenport 5-7384
Cheminform Institute, 10 Columbus Circle, N Y 19 JU 6-6380
Chemithon Corp, 5430 W Marginal Way, Seattle 6, Wash West 7-9454
Chemo Puro Mfg Corp, 150 Doremus Ave, Newark 5, N J Mitchell 3-6435
Chem-Pure Service Co, 760 Industrial Rd, San Carlos, Cal Lytell 3-8218
CHEMSOL, INC, 74 Dod St, Elizabeth 3, N J 4-7654
Chemsteel Construction Co, Inc, 5428 Walnut St, Pittsburgh 32, Pa Museum 1-7500
Chicago Bridge & Iron Co, 332 S Michigan Ave, Chicago 32, Ill Harrison 7-6708
City Testing & Research Labs, Inc, 250 W 54 St, N Y 19 Circle 5-4393
Clark Microanalytical Lab, 1041½ W Main St, Urbana, Ill Empire 7-8406
(The) Clarkson Labs, Inc, 920 N Darien St Phila 23, Pa Market 7-6764
Cleveland Chem Labs, 12416 Euclid Ave, Cleveland 6, O Randolph 1-9474
Colburn Labs, Inc, 732 S Federal St, Chicago 5, Ill Harrison 7-0846
W B Coleman & Co, 9 & Rising Sun Ave, Phila 40, Pa Baldwin 3-7751
Colyer Co, 350 Lexington Ave, N Y 16 Oxford 7-8651
Commercial Minerals Co, 310 Irwin St, San Francisco 7, Cal Hemlock 1-2484
Commonwealth Engrg Co of Ohio, 1771 Springfield St, Dayton 3, Ohio Clearwater 3-1165
Comstock & Wescott, Inc, 179 5 St, Cambridge 41, Mass Kirkland 7-2580
Coopers Creek Chem Corp, 57 River Rd, W Conshohocken, Pa Taylor 8-0375
Cornell Chem & Equipment Co, Inc, 1115 N Rolling Rd, Baltimore 28, Md Ridgeway 7-1042
Corning Glass Works, Corning, N Y 2-5011
Crawford & Russell, Inc, 695 Summer St, Stamford, Conn Davis 4-7303
Crippen Labs, Inc, Subs Foster D Snell, Inc, 1500 Guilford Ave, Baltimore 2, Md Vernon 7-6650
(The) Frank L Crobaugh Co, 3800 Perkins Ave, Cleveland 14, Ohio Utah 1-7320
Curley Co, Inc, 1432 N Randolph St, Phila 22, Pa Poplar 3-4500

D

Dallas Assoc Labs, 2121 S Central Expwy, Dallas, Tex Hamilton 1-1400
Davidson-Kennedy Co, 1090 Jefferson St, NW, Atlanta 8, Georgia TR 4-4483
DAVIES NITRATE CO, INC, 116 Liberty St, N Y 6 Rector 2-6095
Day Co, 810 3 Ave N E, Minneapolis 13, Minn Federal 6-9671
Day & Zimmermann, Inc, 1700 Sansom St, Philadelphia 3, Pa LO 4-4141
DEARBORN CHEM CO, Merchandise Mart, Chicago 54, Ill WH 4-3273
DeBell & Richardson, Inc, Water St, Hazardville, Conn Riverview 9-8301
DEGEN OIL & CHEM CO, Ft of Kellogg St, Jersey City 5, N J Henderson 2-1192
DeMent Labs, 5919 S E 72 Ave, Portland 6, Ore Prospect 5-2373
Carl Demrick, (Technical Translations), 53 S Broadway, Yonkers, N Y 3-7006
Denver Equipment Co, 1400 17 St, Denver, Colo CH 4-4466
Detroit Testing Lab, Inc, 554 Bagley Ave, Detroit 26, Mich WO 1-4870
Diablo Labs, Inc, 806 Hearst Ave, Berkley 10, Cal Thornwall 1-4785
DiCyan & Brown, 12 E 41 St, N Y 17 Murray Hill 5-0011
Diesel Chem Co, 578 Carroll St, Bklyn 15, N Y Main 2-0703
DODGE & OLCOTT, INC, 180 Varick St, N Y 14 Watkins 4-3600
Dominion Products, Inc, 10-40 44 Dr, L I C 1, N Y Stillwell 4-3449
Dorn & Co, 6161 Preston Haven Dr, Dallas 30, Tex Emerson 1-7524
Dorr-Oliver, Inc, Havemeyer Lane, Stamford, Conn Fireside 8-5871
A W Dow, Inc, 801 2 Ave, N Y 17 MU 4-1491
Dowell Div, Dow Chem Co, P O Box 536, Tulsa 1, Okla Riverside 2-5501
Doyle & Roth Mfg Co, Inc, 136-50 24 St, Bklyn 32, N Y South 8-3800
Dravo Corp, Neville Island, Pittsburgh 25, Pa, Spalding 1-1200

E

J Erlich, 153 S Doheny Dr, Beverly Hills, Cal CR 1-4311
Ehrlich & Irany, 350 W 31 St, N Y 1 Bryant 9-4996
Electro Chemical Engrg & Mfg Co, 750 Broad St, Emmaus, Pa Woodring 5-9061
Electro-Physics Co, 287-G Broadway, N Y 7 Worth 4-1290

B R Elk & Co, Inc, 193 Palisade Ave, Garfield, N J Prescott 7-3803
Emerson & Cuming, Inc, 869 Washington St, Canton, Mass CA 6-1066
Equipment Clearing House Inc, 111 33 St, Bklyn 32, N Y South 8-4451
Essential Chems Co, 5906 N Port Washington Rd, Milwaukee, Wis Edgewood 2-9010
Evans Research & Development Corp, 250 E 43 St, N Y 17 Murray Hill 3-0071

F

FARCHAN RESEARCH LABS, 609 E 127 St, Cleveland, Ohio GL 1-8749
Feedwaters, Inc, 140 Cedar St, N Y 6 Rector 2-0494
H K Ferguson Co, 150 E 42 St, N Y 17 Oxford 7-0900
FINE ORGANICS, INC, 205 Main St, Lodi, N J Gregory 2-6800 NYC: Gramercy 5-1030
F G Firth, 3221 Barry Ave, Los Angeles 66, Cal EX 7-7421
FISHER SCIENTIFIC CO, 212 Fisher Bldg, Pittsburgh 19, Pa Express 1-1330
Flexi-Liner Co, 48 S Raymond Ave, Pasadena, Cal Sycamore 6-3177
FLORASYNTH LABS, INC, 900 Van Nest Ave, Bronx 62, N Y Talmadge 8-6000
Florida Chemists & Engineers, Inc, 645 Rugby Ave, Orlando, Fla Garden 5-1595
Fluid Chem Co, Inc, 878 Mt Prospect Ave, Newark 4, N J Humboldt 4-1000 NYC: Whitehall 3-0540
(The) Fluor Corp, Ltd, 2500 S Atlantic Blvd, Los Angeles, Cal AN 2-6111
Food & Drug Research Labs, Inc, Maurice Ave & 58 St, Maspeth 78, L I, N Y Twining 4-0808
Ford, Bacon & Davis, Inc, 2 Broadway, N Y 4 DI 4-3200
Forter-Teichmann Co, 1212 Clark Bldg, Pittsburgh 22, Pa Express 1-0820
Foster Wheeler Corp, 666 5 Ave, N Y 19 Judson 2-6600
Franklin Oil & Gas Co, 34-40 S Park St, Bedford, O 2-3000
FRITZSCHE BROS, INC, 76 9 Ave, N Y 11 Watkins 9-4100

►FULLER CO, SUBS GENERAL AMERICAN TRANSPORTATION CORP, Catasauqua, Pa Congress 4-2841
Furane Plastics, Inc, 4516 Brazil St, Los Angeles 39, Cal Chapman 5-1151

G

Galigher Co, 545-585 W 8 St, P O Box 209, Salt Lake City 10, Utah Elgin 9-8731
Gar-Baker Labs, Inc, 110 W 18 St, N Y 11 Watkins 9-3666
Gauge & Co, 7 Front St, San Francisco 11, Cal Exbrook 2-5565
Geman Assoc, 14 Greenwich Ave, Greenwich, Conn TO 9-6766
General American Transportation Corp, 135 S LaSalle St, Chicago 90, Ill FI 6-4100
Gibbs & Hill, Inc, Penn Sta, N Y 1 Wisconsin 7-5490
Gill Chem Products, Inc, 366 Oakland St, Brooklyn 22, N Y EV 3-4399
Girdler Construction Div, Chemetron Corp, P O Box 174, Commonwealth Bldg, Louisville 1, Ky Juniper 7-7552
Glascote Products, Inc, 20900 E St Clair Ave, Cleveland 17, Ohio Kenmore 1-0670
GLOBE CHEM CO, INC, 712 Provident Bank Bldg, Cincinnati 2, Ohio PA 1-0368
Graver Tank & Mfg Co, 4809-11 Tod Ave, E Chicago, Ind EX 7-0204
Graver Water Conditioning Co, Div Union Tank Car Co, 216 W 14 St, N Y 11 WA 4-2321
R W Greeff & Co, Inc, 10 Rockefeller Plaza, N Y 20 Circle 6-9680

H

Hagan Chems & Controls, Inc, Hagan Bldg, Pittsburgh 30, Pa Walnut 2-3737
A E Halperin Co, Inc, 75 Northampton St, Boston 18, Mass HI 5-5550
Hammond Iron Works, 744 Broad St, Newark 2, N J Market 3-6930
Hanson-Gorrill-Brian, Inc, 85 Hazel St, Glen Cove, N Y Oriole 6-7300
Harlan Associates see Paint Research Lab and Wilson Research Lab
Harris Labs, Inc, 816 P St, Lincoln 8, Neb 2-3689
Hauser-Stander Tank Co, 4838 Spring Grove Ave, Cincinnati 52, O Kirby 1-2375
Hazleton Labs, Inc, P O Box 30, Falls Church, Va JE 2-5800
Hendrey Chem Co, 104 Lake View Ave, Waukegan, Ill MA 3-0370
Herron Testing Labs, Inc, 1360 W 3 St, Cleveland 13, O Main 1-6520
Heyward-Robinson Co, 114 Liberty St, N Y 6, N Y WO 4-7566
(The) Hicks Corp, 1671 Hyde Park Ave, Boston, Mass Hyde Park 3-2720
Hill Top Research Institute, Inc, Miamiville, Ohio Terrace 1-3114
Hinde & Dauch Div, W Va Pulp & Paper, 407 Decatur St, Sandusky, O MA 5-6610
Irving Hochstadter, 52 Vanderbilt Ave, N Y 17 Murray Hill 9-0789
G B Hogaboom Jr & Co, 44 E Kinney St, Newark 2, N J Market 3-0055
Holmes & Narver, Inc, 828 S Figueroa St, Los Angeles 17, Cal Madison 7-4377
Horizons, Inc, 2905 E 79 St, Cleveland 4, O, BR 1-1600
K B Howard Co, P O Box 1207, Lindsay, Cal 2-4051
Hudson Engrg Corp, 271 Danville St, Houston 6, Texas JA 9-4261
Hukill Chem Corp, 2533 Broadway, Cleveland 13, Ohio Cherry 1-7495

►HUMPHREY-WILKINSON, INC
N Haven, Conn Chestnut 8-2181
Hurst Labs, 514 37 St N, St Petersburg 13, Fla 7-4381
Hydrocarbon Research, Inc, 115 Broadway, N Y 6, NY Digby 9-1480

I J K

ILLINOIS WATER TREATMENT CO, 840 Cedar St, Rockford, Ill Woodland 8-9691
INDEPENDENT CHEM CORP, 70-30 79 Pl, Glendale 27, N Y TW 4-0700
Indium Corp of America, 1676 Lincoln Ave, Utica 4, N Y Swift 7-1630
Industrial By-Products & Surplus Co, Div Acato Chem Co, Inc, 4040 Lawrence St, Flushing 54, N Y Independence 1-4100
Industrial Engrg Service, Washington St, South Easton Mass Cedar 8-2341
Insect Control & Research, Inc, 1111 N Rolling Rd, Baltimore 28, Md Ridgeway 7-4502
International Testing Labs, Inc, 578-582 Market St, Newark 5, N J Mitchell 2-4772
Isotopes Specialties Co, Div Nuclear Corp of America, 170 W Providencia, P O Box 688, Burbank, Cal Victoria 9-2273
Jacobs Engrg Co, 774 E Green St, Pasadena, Cal Murray 2-9373
Jarrell-Ash Co, 26 Farwell St, Newtonville 60, Mass Decatur 2-2130
G D Jennsen Co, Inc, 49½ Maple St, Massena, N Y RO 9-7120
W Alec Jordan Associates, 290 Park Ave, N Y 16 Plaza 5-7030
Kaighin & Hughes, Inc, 1080 Atlantic Ave, P O Box 952, Toledo 1, Ohio Evergreen 2-5671
Kaighan-Hughes-Litwin, Inc, Atlantic & Spencer Sts, Toledo, O Evergreen 2-7411
Kaiser Engr Div, Henry J Kaiser Co, 1924 Broadway, Oakland 12, Cal Crestview 1-2211
Kaplop Labs, 6710 W Jefferson Detroit 17, Mich VI 1-5869
Stephen A Karas, 103 E 125 St, N Y 35 Atwater 9-1255
Kellogg-Bishop Assoc, 18 Washington Sq W, Salem, Mass NE 4-4080
M W Kellogg Co, 711 3 Ave, N Y 17 Oxford 7-5200

►KENNEDY VAN SAUN MFG & ENGRG CORP, 405 Park Ave, N Y 22 PL 3-2200
Walter Kidde & Co, Inc, 198 Main St, Belleville 9, N J Plymouth 9-5000
E & F KING & CO, 630 Pleasant St, Norwood, Mass 7-3113
Klemp Metal Grating Corp, 6611 S Melvina Ave, Chicago 38, Ill PO 7-6760
Knapp Mills, Inc, 23-15 Borden Ave, L I C, N Y RA 9-8550
Maurice A Knight Co, PO Box 111, 171 Kelly Ave, Akron 9, Ohio Parkway 4-1277
Knowles Associates, 19 Rector St, N Y 6 BO 9-3456
V & E Kohnstamm, Inc, 401 Broadway, N Y 13 Walker 5-1504
Koppers Co, Inc, Engrg & Construction Div, 1124 Koppers Bldg, Pittsburgh 19, Pa Express 1-3300
Krishell Labs, Inc, 1735 S E Powell Blvd, Portland 2, Ore Belmont 2-1412
Kromall Chem & Dispersions Corp, 10-12 46 Ave, L I C 1, N Y ST 4-5075
Kuljian Corp, 1200 N Broad St, Phila 21, Pa Stevenson 2-9000

L

Laboratory Equipment Corp, Lakeview & Hilltop Rds, St Joseph, Mich Yukon 3-5534
Lachat Biochem Co, 2202 W 107 Pl, Chicago 43, Ill Beverly 8-9029
Lacquer Specialties, Inc, 249 Ave B, Newark 5, N J Mitchell 2-7627
(The) Lakso Co, 47 Ashby State Rd, Fitchburg, Mass DI 3-3759
Hans L Landay, Scientific Glass Lab, 2870 Pearl St, P O Box 27, Boulder, Colo HI 2-2141
F H Langsenkamp Co, 229 E South St, Indianapolis 25, Ind Melrose 6-4321
Lannett Co, Inc, Frankford Ave & Allen St, Phila 25, Pa Nebraska 4-8886
Delmar H Larsen, 9157 Sunset Blvd, Los Angeles 46, Cal Crestview 4-5331
LaWall & Harrisson Research Labs, 1921 Walnut St, Phila 3, Pa Rittenhouse 6-4322
Lawrence Warehouse Co, 37 Drumm St, San Francisco 11, Cal DO 2-5575
Lawson Chem Products Co, 5634 Selmaraine Dr, Culver City, Cal Texas 0-1627
Leader Iron Works, Decatur 75, Ill
Leberco Labs, 123 Hawthorne St, Roselle Park, N J Chestnut 5-1933
Ledoux & Co, Inc, 359 Alfred Ave, Teaneck, N J TE 7-7160
J D Leonard & Associates, 437 5 Ave, N Y 16 MU 6-4712
Leonard Construcion Co, 37 S Wabash Ave, Chicago 3, Ill State 2-5041
John J Levenson, Jr & Associates, 342 Madison Ave, N Y 17 Oxford 7-9530
Harold A Levey Labs, 8127-33 Oleander S, New Orleans 18, La GA 1501
David Litter Labs, 116 E 16 St, N Y 3 SP 7-4410
Arthur D Little, Inc, 15 Acorn Pk, Cambridge 40, Mass University 4-5570
Litvin Engrg Co, 204 N Waco, Wichita 8, Kan Amherst 5-9543
Livestock Chem Co, 3814 S Division Ave, Grand Rapids, Mich GL 2-6731
Lockwood Greene Engrgs, Inc, 41 E 42 St, N Y 17 MU 7-0630
Lorenz Chem Co, 1024 N 17 St, Omaha 2, Neb JA 1623
Lummus Co, 385 Madison Ave, N Y C Plaza 9-1180
Lukens Steel Co, 311 Lukens Bldg, Coatesville, Pa 2000
Luzerne Rubber Co, Muirhead Ave, Trenton, N J Export 2-4131

M

M & C Nuclear, Inc, P O Box 898, Attleboro, Mass 1-3800
R B MacMullin Associates, 610 Hancock Bldg, Niagara Falls, N Y Butler 5-7571
Magic-Glow Chem Corp, 1606 N Washington St, Chicago 2, Ill DE 2-4947
Chas T Main, Inc, 80 Federal St, Boston 10, Mass HA 6-6200
Majac, Inc, 23 St, Sharpesburg, Pittsburgh 15, Pa Sterling 2-2435
C E Mange Development Lab, 4425 Geraldine Ave, St Louis 15, Mo Evergreen 5-8052
C L Mantell, 457 Washington St, N Y 13 Canal 6-4028
Marine Inspection Engrs, 100 W Monroe St, Chicago 3, Ill Franklin 2-6584
(The) Marley Co, 222 W Gregory Blvd, Kansas City 14, Mo Emerson 1-2222
Maurry Biological Co, Inc, 6109 S Western Ave, Los Angeles 47, Cal Pleasant 9-1127
John W McCutcheon, Inc, 475 5 Ave, N Y 17 MU 3-3421
McDowell Co, Inc see McDowell-Wellman
McDowell-Wellman Companies, 113 St Clair Ave NE, Cleveland 14, O Main 1-9934
F H McGraw & Co, 51 E 42 St, N Y 17 Murray Hill 2-1310
McGregor-Michigan Corp, 13374 Helen Ave, Detroit 12, Mich FO 6-8000
Arthur G McKee & Co, 2300 Chester Ave, Cleveland 1, O Tower 1-2300
McLAUGHLIN GORMLEY KING CO, 1715 5 St S E, Minneapolis 14, Minn Franklin 1-1808
Medical Chems Corp, 4122 W Grand Ave, Chicago 51, Ill DI 2-6450
Medical Supply Co, 1027 W State St, Rockford, Ill WO 3-9697
L Carlton Mertz Co, 1638 S Normal Ave, Chicago 16, Ill Canal 6-7158
Metals & Controls Corp, General Plate Div (listings pertain to Platinum Group Metals only), 49 Forest St, Attleboro, Mass 1-2800
Metcalf & Eddy, Statler Bldg, Boston 16, Mass Hancock 6-8188
Metcut Research Assoc, Inc, 3980 Rosslyn Dr, Cincinnati 9, O Bramble 1-5100
J Meyer & Sons, Inc, 4321 N 4 St, Phila 40, Pa Davenport 9-1068
(The) Midland Storage, Inc, 534 S Front St, Elizabeth, N J 3-6060
Franklin P Miller & Son, Inc, 33 Meadow St, E Orange 12, N J Orange 3-4522
Milwaukee Research Institute Div, American Bio-Synthetics Corp, 710 W National Ave, Milwaukee 4, Wis Evergreen 4-7017
Mitchell & Koopman, Inc, 1601 Jerome Ave SW, Grand Rapids 2, Mich CH 1-4684
Model Masters, Inc, 125 W 45 St, N Y 36 JU 2-1247
MOLECULAR DISTILLATIONS, INC, P O Box 440, Titusville, Pa 7-2256
Molnar Labs, 211 E 19 St, N Y 3 GR 5-1030
Morse Labs, 316 16 St, Sacramento 14, Cal Gilbert 1-2572
R E MOYER, INC, 10 & Union Sts, Catasauqua, Pa
Multi-Amp Corp, 465 Lehigh Ave, Union, N J Murdock 8-7112

N-O

National Aluminate Corp, 6185 W 66 Pl, Chicago 38, Ill Portsmouth 7-7240
National Cylinder Gas Co, 840 N Michigan Ave, Chicago 11, Ill Whitehall 4-3100
See also separate listings by division:
Girdler Construction Div
National Diagnostic Labs, 336 Lexington Ave, N Y 16 Oxford 7-4540
National Research Corp, 70 Memorial Dr, Cambridge 42, Mass Eliot 4-5400
NEASE CHEM CO, INC, Lock Haven, Pa
N Y Lab Supply Co, Inc, 76 Varick St, N Y 13 Canal 6-6504
N Y Produce Exhange, 42 Stone St, N Y 4 Bowling Green 9-3400
Newth Rubber Co, County Rd, Barrington, R I Cherry 5-8050
Nooter Corp, 1418 S 2 St, St Louis 4, Mo Main 1-6000
Northwest Labs, 200 James St, Seattle 4, Wash MA 2-0680
Norton Co, New Bond St, Worcester 6, Mass Swift 8-2511
Nuclear-Chicago Corp, 223 W Erie St, Chicago 10, Ill Delaware 7-3060
Oakite Products, Inc, 19 Rector St, N Y 6 Whitehall 3-0940
James P O'Donnell, Consulting Engr, 39 Broadway, N Y 6 Digby 4-0404
Ogden Filter Co, Inc, 4214 Santa Monica Blvd, Los Angeles 29, Cal NO 2-2116
Oil & Chem Products, Inc, 295 Madison Ave, N Y 17 Murray Hill 6-0785
Old Empire, Inc, 865 Mt Prospect Ave, Newark 4, N J Humboldt 4-2121 NYC: Worth 4-7870
Organics Inc, 1724 W Greenleaf Ave, Chicago 26, Ill Ambassador 2-3253
Oxy-Catalyst, Inc, Berkley Rd, Ardmore, Pa Murray 8-3200

P

Pacific Chem Labs, 350 Clay St, San Francisco 11, Cal SU 1-4559
Paint Research Lab, Harlan Associates, 11 Dubose Ave, San Francisco 3, Cal MA 1-7245
Palo Lab Supplies, Inc, 81 Reade St, N Y 7 Cortlandt 7-0075
Panray Corp, 266 S Dean St, Englewood, N J Lowell 7-0820
Par Industries, Inc, 2193 E 14 St, Los Angeles 21, Cal Madison 7-2668
(The) Ralph M Parsons Co, 617 W 7 St, Los Angeles 7, Cal Madison 9-2484
Patzig Testing Labs, 2215 Ingersoll Ave, Des Moines, Iowa Cherry 3-5322
►PEERLESS OIL & CHEM CORP, 38-50 Review Ave, LIC, N Y Exeter 2-7700
Pemco see Process Engrg & Mach Co
Pendergrast Chem Co, 313 Chester Ave, S E, Atlanta 16, Ga Jackson 5-2642
(The) Penetone Co, 74 Hudson Ave, Tenefly, N J Lowell 7-3000
Penfield Mfg Co, Inc, 19 High School Ave, Meriden, Conn BE 5-1694
Pennsylvania Color & Chem Co, Pine Run Rd, Doylestown, Pa FI 8-9448
(The) Permutit Co, Div Pfaulder Permutit, Inc, 50 W 44 St, N Y 36 Oxford 7-6600
Peterson Filling & Packaging Co, Hegeler Lane, Danville, Ill 1400
Petrocarb, Inc, 100 Church St, N Y 7 Cortlandt 7-8510
PFANSTIEHL LABS, INC, 104 Lake View Ave, Waukegan, Ill Majestic 3-0370
(The) Pfaudler Co, Div Pfaudler Permutit, Inc 1000 West Ave, Rochester 3, N Y Beverly 5-1000
Charles A Pfeiffenberger, Industrial Development Engr, 104-40 194 St, Hollis 12, L I, N Y 4-7938
Pierce Chem Co, P O Box 117, Rockford, Ill WO 5-8013
Pilot Chems, Inc, 36 Pleasant St, Watertown 72, Mass 4-7775
Pilot Engrg Co, P O Box 54, Bklyn 5, N Y Ulster 8-0202
Pittsburgh-Des Moines Steel Co, 3484 Neville Island, Pittsburgh 25, Pa FE 1-3000
Plas-Tech Equipment Corp, 751 Main St, Waltham 54, Mass Twinbrook 3-1800
Plastic Applicators, Inc, & Rubber Applicators, Inc, 7020 Katy Rd, P O Box 7631, Houston 7, Tex UN 9-3611
Plasti-Kote Inc, 9801 Harvard Rd, Cleveland 50, Ohio VU 3-4800
Podbielniak Inc, 341 E Ohio St, Chicago 11, Ill Superior 7-5000
Portable X-Ray Service, 98-120 Queens Blvd, Forest Hills 74, N Y Illinois 9-9059
Precision Testing Labs, P O Box 973, Worcester 1, Mass Pleasant 3-4938
Preco Chem Corp, 415 Lexington Ave, N Y 17 Murray Hill 2-5250
Premium Chems, Inc, 113 Marine St, Farmingdale, L I, N Y Chapel 9-5100
J F Pritchard & Co of Cal, 4625 Roanoke Pkwy, Kansas City, Mo Jefferson 1-9500
Process Chem Specialties, 6 Newberry St, Beverly, Mass Walker 2-7789
Process Plants Engrg Co, 363 Bloomfield Ave, Montclair, N J Pilgrim 6-2035
Processes Research, Inc, 2912 Vernon Pl, Cincinnati 19, Ohio Plaza 1-3938
N Y 22, 60 E 56 St Plaza 5-6288
Process Engrg & Mach Co, Inc (Pemco) 444 York St, Elizabeth, N J 4-9222
Procon, Inc, 1111 Mt Prospect Rd, Des Plaines, Ill Vanderbilt 4-3171
Protective Lining Corp, 22 Woodhull St, Bklyn 31, N Y Main 4-7545
Protectoseal Co, 1949 S Western Ave, Chicago 8, Ill Chesapeake 3-1400
PulVeRite, Inc, 156-164 Van Brunt St, Bklyn 31, N Y Uister 5-4690
PURE CARBONIC CO, DIV AIR REDUCTION CO, INC, 150 E 42 St, N Y 17 Mu 2-6700

R

Race Chem Equipment Corp, Box 95, Madison (Lake), O HA 8-2074
Ranney Method Water Supplies, Inc, 841 Alton Ave, Columbus 19, Ohio CL 3-5595
REPUBLIC CHEM CORP, 94 Beekman St, N Y 38 Rector 2-9810
Republic Steel Corp, 1441 Republic Bldg, Cleveland 1, O Prospect 1-1400
Research Chems, Div Nuclear Corp of America, 170 W Providencia, Burbank, Cal Victoria 9-1648
Research Testing Labs, 227 Central Park W, N Y 24 Trafalgar 3-7868
Riley Stoker Corp, 9 Neponset St, Worcester, Mass Pleasant 6-7111
ROBECO CHEM, INC, 25 E 26 St, N Y 10 MU 3-7500
Robinette Research Labs, Inc, 16 E Lancaster Ave, Ardmore, Pa Midway 2-6457
Rocky Mt Research Inc, 1020 Yuma St, Denver 4, Col CH 4-7683
Rogers Corp, Main St, Rogers, Conn Prescott 4-9605
Auguste Rooseboom, Chem Consultant, 10 Rockefeller Plaza, N Y 20 Circle 6-2650
R J Rosen, 9301 Park Hill Dr, Los Angeles, Cal MA 5-2241
Frank B Ross Co, Inc, 6-10 Ash St, Jersey City 4, N J Henderson 3-4512
Robt L Rowan & Assoc, 6006 Ardmore St, Houston 21, Tex JA 2-1606
R G Rowe & Assoc, Black Rock Tpke, Redding Ridge, Conn Webster 8-2794
Rubber Applicators, Inc see Plastic Applicators, Inc
Ruckels Potteries, Inc, 234 Worcester St, White Hall, Ill 75
Rust Engrg Co, 930 Ft Duquesne Blvd, Pittsburgh 22, Pa Atlantic 1-2500

S

SAG Junction Terminal, Lemont, Ill ST 2-7135
S & S Soap Co, 815 E 135 St, N Y 54 Ludlow 5-2900
A J Sackett & Sons Co, 1701 S Highland Ave, Baltimore 24, Md Broadway 6-4466
Samuel P Sadtler & Son, Inc, 1517 Vine St, Phila 2, Pa Locust 4-0835
St Eloi Corp, 3509 Debolt Rd, Box 507, Newton Sta, Cincinnati 44, Ohio Locust 1-6463
St John X-Ray Lab, Califon, N J 49
Frank Samuel Co, Inc, 2201 Phila Natl Bank Bldg, Phila 7, Pa LO 4-6150
Sapon Labs, 101 E Hawthorne Ave, Valley Stream, N Y Locust 1-2026
William H Scheel, Inc, 38 Franklin St, Bklyn 22, N Y Evergreen 9-3480
Scher Bros, Industrial West St, Clifton, N J GR 1-1300
R P Scherer Corp, 9425 Grinnell Ave, Detroit 13, Mich WA 1-3240
Schieffelin & Co, 16-30 Cooper Sq, N Y 3 Spring 7-1500
Schmieg Industries, Inc, P O Box 4701, Detroit 34, Mich Jefferson 9-1030
Schori Process Corp, 8-11 43 Rd, LIC 1, N Y ST 4-1270
Schwarz Labs, Inc, 230 Washington St, Mt Vernon, N Y 4-1100
Scientific Design Co, Inc, 2 Park Ave, N Y 16 Murray Hill 9-3176
Scientific Glass Apparatus Co, Inc, 100 Lakewood Terrace, Bloomfield, N J Pilgrim 3-2200
Ernest Scott & Co, Inc, 189 Anawan St, Fall River, Mass Osborne 7-9841
Selas Corp of America, Limekiln Pike & Dreshertown Rd, Dresher, Pa Mitchell 6-6600
Sel-Rex Corp, 75 River Rd, Nutley 10, N J 2-5200
Semet-Solvay Petrochem Div see Allied Chem Corp
H E Serner Co, P O Box 232, Oakland, N J Davis 7-3546
Shankman Labs, 2023 Santa Fe Ave, Los Angeles 21, Cal Madison 3-3914
Louis L Shapiro, Chem Consultant, 28 Middagh St, Bklyn 1, N Y Triangle 5-7715
Benj F Shaw Co, 501 E 2 St, Wilmington 99, Del Olympia 8-7181
Shields Buying Service, 44 Cliff St, N Y 38 Barclay 7-5330
Shields Selling Service, 44 Cliff St, N Y 38 Barclay 7-5330
Silver Engrg Works, Inc, 3309 Blake St, Denver 5, Col Main 3-0211
Singa Chem Co, 912 23 Ave, Oakland 6, Cal Kellog 4-9470
Singmaster & Breyer, 420 Lexington Ave, N Y 17 OR 9-4480
J E Sirrine Co, 215 S Main St, Greenville, S C CE 3-1621
Marcus Sittenfield & Associates, 1411 Walnut St, Phila 2, Pa Rittenhouse 6-7861
Skeist & Schwarz Labs, Inc, 89 Lincoln Pk, Newark 2, N J Market 3-5002
Skinner & Sherman Co, Inc, 246 Stuart St, Boston 16, Mass Hancock 6-8900
F L Smidth & Co, 11 W 42 St, N Y 36 LO 3-6600
Arthur F Smith Co, Inc, 311 Alexander St, Rochester 4, N Y Baker 5-4670
H V Smith Co, 1910 University Ave, St Paul 4W, Minn Midway 6-6139
Werner G Smith, Inc, 1730 Train Ave, Cleveland 13, Ohio Tower 1-3676
Smithers Labs, 70 Cherry St, Akron 8, Ohio Portage 2-7441
Foster D Snell, Inc, 29 W 15 St, N Y 11 Watkins 4-8800
Solar Chicago, Div U S Industries, 6400 W 66 St, Chicago 38, Ill Portsmouth 7-8900
Solvents Recovery Service, Inc, 1025 Broad St, Newark 2, N J Market 2-8084
Solvit Chem Co, Inc, 3734 Speedway Rd, Madison 5, Wis Cedar 3-1155
Frederick Sorel, Consulting Chemist, 703 W Willow Rd, Prospect Hts, Ill CL 3-3751
South Florida Test Service, Inc, 4301 N W 7 St, Miami 44, Fla HI 3-0353
Southwestern Analytical Chems, 209 Pleasant Valley Rd, Austin 2, Tex Greenwood 6-9379
Southwestern Engrg Co, 4800 Sante Fe Ave, Los Angeles 58, Cal Ludlow 3-6262
Southwestern Labs, 2900 Cullen, Box 1379, Ft Worth 1, Tex ED 5-9321
Spartan Chem Co, 2539 W 28 St S W, Grand Rapids 9, Mich Lenox 4-4921
Spectra Research Labs, P O Box 1-8857, Los Angeles 18, Cal
Spectrochemical Labs, Inc, 8350 Frankstown Ave, Pittsburgh 21, Pa Fremont 1-2345
Sperry Products, Inc, Shelter Rock Rd, Danbury, Conn Pioneer 8-3581
John C Stalfort & Sons, Inc, 319-21 W Pratt St, Baltimore 1, Md Saratoga 7-4760
STANDARD STEEL CORP, 5075 Boyle Ave, Los Angeles 58, Cal
Stearns-Roger Mfg Co, 660 Bannock, P O Box 5370, Denver 17, Col Acomo 2-8484
R Steckler Labs, 19220 Miles Ave, Cleveland 28, Ohio MO 3-6575
Steel Fabricators Co, 1252-X Spruce St, Cleveland 13, Ohio Tower 1-2643
Stieh Chems, Inc, 20 Vesey St, N Y 7
M Sternfield, 1660 E 118 St, Cleveland 6, Ohio Randolph 1-9474
Stone & Webster Engrg Corp, 90 Broad St, N Y 4 Bowling Green 9-4224
Sturtevant Mill Co, 103 Clayton St, Dorchester, Boston 22, Mass Talbot 5-6500

T

Technical Assoc Inc, 5309 Germantown Ave, Philadelphia 44, Pa Victor 8-0911
Technical Enterprises, Inc, 31 South St, N Y 4 Whitehall 3-1544
Technical Service Inc, 100 Central St, Pontiac, Warwick, R I Regent 7-5800
Techniservice, Box 1226, GPO, N Y 1 BO 3-9888
Tellepsen Petro-Chem Constructors, 1710 Telephone Rd, Box 2536 WA 3-9331
Textile Proofers Inc, 181-193 Culver Ave, Jersey City 5, N J Henderson 3-6183
Thayer Scale Corp, 1 Thayer Pk, Pembroke, Mass Taylor 6-2373
Thomasson of Pa, Inc, Ford & Washington Sts, Norristown, Pa Broadway 5-4355
John I Thompson & Co, 1118 22 St N W, Box 35311, Washington 7, D C Federal 7-4200
Thurston & Braidich, 286 Spring St, N Y 13 AL 5-1588
Titlestad Corp, 521 5 Ave, N Y C OX 7-5392
Tobey Chem Co, 1480 Broadway, N Y 36 Longacre 4-2520
Sam Tour & Co, Inc, 44 Trinity Pl, N Y 6 WH 3-3157
Transit Tank Co, 550 S 4 St, Richmond, Cal Beacon 2-8410
Arthur C Trask & Sons, 327 S LaSalle St, Chicago, Ill WA 2-8900
TRIO CHEM WORKS, INC, 341 Scholes St, Bklyn 6, N Y Hyacinth 7-3595
Truesdail Labs, Inc, 4101 N Figueroa St, Los Angeles 65, Cal Capitol 5-4148
Tubed Chems Corp, Pleasant St, Easthampton, Mass 1250

U V

ULTRA CHEMICAL WORKS, INC, DIV WITCO CHEM CO, 2 Wood St, Paterson, N J Armory 4-0100
United Engrs & Constructors, Inc, 1401 Arch St, Philadelphia 5, Pa Locust 4-1800
United States Testing Co, Inc, 1415 Park Ave, Hoboken, N J Swarthmore 2-2400
UNIVERSAL OIL PRODUCTS CO, 30 Algonquin Rd, Des Plaines, Ill Rodney 3-600
Van Waters & Rogers, Inc, 4000 1 Ave S, Seattle 4 Wash MA 4-5050
Emerson Venable, Consulting Chemists & Engrs, 6111 5 Ave, Pittsburgh 32, Pa Hiland 1-8045
Vilter Mfg Co, 2217 S 1 St, Milwaukee 7, Wis Sheridan 4-0111
►VITRO CORP OF AMERICA, 261 Madison Ave, N Y 16 Murray Hill 2-5700
Vitro Engrg Co, 224 4 Ave, N Y C Oregon 7-9001
Vulcan-Cincinnati, Inc, 120 Sycamore St, Cincinnati 2, Ohio Dunbar 1-1400
Vulcan Containers Inc, P O Box 161, Bellwood, Ill Linden 4-5000
Vulcan Mfg, Glendale Rd, Cincinnati 15, Ohio Princeton 1-9310

W X Y Z

Harold Wainess & Associates, 510 N Dearborn St, Chicago 10, Ill Superior 7-7948
Walton-March, 1592 Deerfield Rd, P O Box 95, Highland Park, Ill ID 2-7900
Washington Labs, Inc, Pier 66, Seattle 1, Wash Main 3-6356
Water Service Labs, Inc, 615 W 131 St, N Y 27 Foundation 8-1000
Truman B Wayne & Associates, 2405 Norfolk, Houston 6, Texas JA 9-9193
John M Weiss & Co, 50 E 41 St, N Y 17 Murray Hill 5-6426
Wellman Engrg Co see McDowell-Wellman
Wells Labs, Inc, 25-27 Lewis Ave, Jersey City 6, N J Oldfield 3-1907
NYC: Digby 9-0127
Western Filling Corp, 6423 Bandini Blvd, Los Angeles 22, Cal Raymond 3-9177
Western-Knapp Engrg Co, 650 5 St, San Francisco 7, Cal Exbrook 7-2375
Western Precipitation Corp, 1000 W 9 St, P O Box 2744 Terminal Annex, Los Angeles, Cal Madison 7-4771
Whitfield Chem Co, Inc, 14225 Schaefer Hwy, Detroit 27, Mich Vermont 8-7770
WHITTAKER CLARK & DANIELS, INC, 100 Church St, N Y 7 Worth 4-2040
Wigton-Abbott Corp, 1225 South Ave, Plainfield, N J PL 5-2000
Wiley & Co, Inc, Calvert & Read Sts, Baltimore 2, Md Mulberry 5-7838
Will Corp & Subsidiaries, 39 Russell St, Rochester, N Y Browning 1-8200
Williams Gold Refining Co, Inc, 2978 Main St, Buffalo, N Y UN 7204
Roger Williams Technical & Economic Services, Inc, 34 Washington Rd, Box 426, Princeton, N J Walnut 1-8200
Williamson Development Co, Inc, 317 Main St, W Concord, Mass Emerson 9-9607
Wilson Research Lab, Harlan Assoc, 2403 W 4 St, Los Angeles 57, Cal Dunkirk 8-7260
Winnebago Chem Service, Inc, Elkhart Lake, Wis Trinity 6-2796
Wisconsin Alumni Research Foundation, 506 N Walnut St, Madison 5, Wis Alpine 7-4851
Woodbury Chem Co, Box 788, St Joseph, Mo Adam 8-3377
Woodlets, Inc, 2048 Niagra St, Buffalo 7, N Y Delaware 2309
Wurster & Sanger, Inc, 5201 S Kenwood Ave, Chicago 15, Ill Midway 3-1701
Young & Bertke Co, 2231 Spring Grove Ave, Cincinnati 22, O CH 1-5565
Zophar Mills, Inc, 107 26 St, Bklyn, N Y South 8-0907

SERVICES DIRECTORY

See Services Company Directory (pp. 584-586) for addresses and telephone numbers. See page 2 for explanation of symbols and "How to use the Buyers' Guide Issue."

A

ADHESIVES COMPOUNDING, CUSTOM

►Humphrey-Wilkinson, Inc

Adhesive Products Corp
Arabol Mfg Co
Aries Labs, Inc
Atlantic Research Corp
Barail Assoc
Chemical Coatings & Engrg Co, Inc
Chemical Development Corp
Chemical & Engrg Assoc
Clarkson Labs
Comstock & Westcott, Inc
Coopers Creek Chem Corp
Dayton Chem Products Labs
B R Elk & Co
Emerson & Cuming, Inc
Furane Plastics Inc
Hukill Chem Corp
Arthur D Little, Inc
Morse Labs
Plastic Applicators
Precision Testing Labs
Preco Chem Corp
Scher Bros
Skiest & Schwarz Labs
Foster D Snell, Inc

AGENTS, BUYING

Browning Chem Corp
Robeco Chem
Whittaker Clark & Daniels

M H Baker Co
Chemical Construction Corp
Diesel Chem Co
Gauge & Co
Shields Buying Service
Foster D Snell, Inc
Tobey Chem Co

AGENTS, CHEMICAL EXPORT

Browning Chem Corp
Independent Chem Corp
Republic Chem Corp
Robeco Chem
Whittaker Clark & Daniels

Colyer Co
Cornell Chem & Equipment Co
Diesel Chem Co
Gauge & Co
V & E Kohnstamm Inc
Oil & Chem Products Inc
Shields Selling Service
Singa Chem Co
Tobey Chem Co

AGENTS, CHEMICAL IMPORT

Browning Chem Corp
Independent Chem Corp
Republic Chem Corp
Robeco Chem
Whittaker Clark & Daniels

Callery Chem Co
Colyer Co
Diesel Chem Co
Gauge & Co
Industrial By-Products & Surplus Co Div
Oil & Chem Products Inc
Shields Buying Service
Singa Chem Co
Tobey Chem Co
Arthur C Trask & Sons

AGENTS, SELLING

American Oil & Supply Co
Bonewitz Chem
Browning Chem Corp
R W Greeff & Co
Independent Chem Corp
E & F King & Co
►Peerless Oil & Chem Corp
Republic Chem Corp
Robeco Chem
Whittaker Clark & Daniels

M H Baker Co
Callery Chem Co
Colyer Co
Diesel Chem Co
Essential Chems Co
Hendry Chem Co
Hukill Chem Corp
Lachat Biochem Co
Leberco Labs
Oil & Chem Products Inc
Shields Selling Service
Tobey Chem Co
Arthur C Trask & Sons

ANALYSES, AGRICULTURAL

Allied Analytical & Research Labs
American Bio-Chem Labs
Associated Analytical Labs
Calkin & Bayley, Inc
Chemical & Industrial Corp
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Diablo Labs
N Y Produce Exchange
Pacific Chem Labs
Schwarz Labs
Shankman Labs
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
K B Howard Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
National Diagnostic Labs
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation
Wiley & Co
Winnebago Chem Service

ANALYSES, ALCOHOLIC BEVERAGE

Allied Analytical & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Diablo Labs
Electrical Testing Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
LaWall & Harrisson Research Labs
Harold A Levey Labs
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Northwest Labs
Pacific Chem Labs
Samuel P Sadtler & Son
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Truesdail Labs
United States Testing Co

ANALYSES, CERAMIC

Allied Analytical & Research Labs
Calkin & Bayley, Inc
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Hagan Chems & Controls, Inc
Herron Testing Labs, Inc
Ledoux & Co
Morse Labs
Patzig Testing Labs
Pfaudler Co
St Eloi Corp
Southwestern Labs
Truesdail Labs
United States Testing Co

ANALYSES, CHEMICAL

►Kennedy Van Saun Mfg & Engrg Corp

Allied Analytical & Research Labs
American Bio-Chem Lab
Anthony Engrg Co
Arcos Corp
Associated Analytical Labs
Barail Assoc
Bull & Roberts, Inc
Calkin & Bayley, Inc
Catalytic Construction Co
City Testing & Research Labs
Clark Microanalytical Lab
Colburn Labs
W B Coleman & Co
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
DeBell & Richardson, Inc
DeMent Labs
Detroit Testing Lab
Diablo Labs
Diesel Chem Co
Dorn & Co
Essential Chems Co
Feedwaters, Inc
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Hazleton Labs
Herron Testing Labs, Inc
K B Howard Co
Hurst Labs
International Testing Labs
Jarrell-Ash Co
Walter Kidde & Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Ledoux & Co
Harold A Levey Labs
Lorenz Chem Co
Metcalf & Eddy
Morse Labs
National Diagnostic Labs
N Y Lab Supply Co
N Y Produce Exchange
Northwest Labs
Pacific Chem Labs
Paint Research Lab
Patzig Testing Labs
Robinette Research Labs
St Eloi Corp
Samuel P Sadtler & Son
Schwarz Labs
Sel-Rex Corp
Shankman Labs
Louis L Shapiro
Singa Chem Co
Foster D Snell, Inc
Southwestern Analytical Chems
Southwestern Labs
Spectrochemical Labs, Inc
Technical Service Inc
Techniservice
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Wisconsin Alumni Research Foundation

ANALYSES, CHROMATOGRAPHIC

Allied Analytic & Research Labs
C F Braun & Co
Clark Microanalytical Lab
Colburn Labs
Crippen Labs
Dallas Assoc Labs
Diablo Labs
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Jarrell-Ash Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Ledoux & Co
Paint Research Lab
Podbelniak Inc
Samuel P Sadtler & Son
St Eloi Corp
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation

ANALYSES, COSMETIC

Allied Analytical & Research Labs
Applied Science & Chem Corp
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Harold A Levey Labs
National Diagnostic Labs
Associated Analytical Labs
Barail Assoc
G L Bonwitt Labs
Calkin & Bayley, Inc
Colburn Labs
N Y Produce Exchange
Pacific Chem Labs
Panray Corp
Robinette Research Labs
Samuel P Sadtler & Son
Schwarz Labs
Louis L Shapiro
Foster D Snell, Inc
Southwestern Labs
Techniservice
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

ANALYSES, DRUG & BIOLOGICAL

Allied Analytical & Research Labs
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Co
Gar-Baker Labs
Harris Labs
Hazleton Labs
Jarrell-Ash Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Harold A Levey Labs
National Diagnostic Labs
Panray Corp
St Eloi Corp
Samuel P Sadtler & Son
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Techniservice
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

ANALYSES, FATS & OILS

Allied Analytical & Research Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Diablo Labs
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Franklin Oil & Gas Co
Gar-Baker Labs
K B Howard Co
International Testing Labs
Jarrell-Ash Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
N Y Produce Exchange
Northwest Labs
Pacific Chem Labs
Paint Research Lab
Samuel P Sadtler & Son
St Eloi Corp
Schwarz Labs
Shankman Labs
Louis L Shapiro
Singa Chem Co
Foster D Snell, Inc
Southwestern Labs
Techniservice
Truesdail Labs
United States Testing Co
Wells Labs
Wiley & Co
Wisconsin Alumni Research Foundation

ANALYSES, FOOD

Allied Analytical & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Diablo Labs
Dorn & Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food Technology
Gar-Baker Labs
Harris Labs
K B Howard Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Pacific Chem Labs
Samuel P Sadtler & Son
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Southwestern Labs
Techniservice
Truesdail Labs
United States Testing Co
Harold Wainess & Assoc
Wells Labs
Wisconsin Alumni Research Foundation

See company directory for addresses

►See catalog advertisement (Advertisers Index)

ANALYSES, GAS & FUEL

Barail Assoc
C F Braun & Co
Bull & Roberts, Inc
Calkin & Bayley, Inc
Catalytic Construction Co
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Labs
Florida Chemists & Engrs
International Testing Labs
Kendall Infrared Labs
Walter Kidde & Co
Lachat Biochem Co
Marine Inspection Engrs
Morse Labs
N Y Lab Supply Co
Northwest Labs
Permutit Co
Podbeiniak Inc
St Eloi Corp
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Emerson Venable
Wiley & Co

ANALYSES, INFRARED

Baird-Atomic, Inc
C F Braun & Co
Cleveland Chem Labs
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Evans Research & Development Corp
Florida Chemists & Engrs
Harris Labs
Hazleton Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
N Y Lab Supply Co
Paint Research Lab
Samuel P Sadtler & Son
Techniservice
Truesdail Labs
United States Testing Co

ANALYSES, METALLURGICAL

Arcos Corp
Baird-Atomic, Inc
C F Braun & Co
Calkin & Bayley, Inc
Catalytic Construction Co
City Testing & Research Labs
W B Coleman & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Denver Equipment Co
Detroit Testing Lab
Diesel Chem Co
Florida Chemists & Engrs
Galigher Co
Herron Testing Labs, Inc
International Testing Labs
Jarrell-Ash Co
Walter Kidde & Co
Lachat Biochem Co
Ledoux & Co
Morse Labs
M & C Nuclear, Inc
National Aluminate Corp
National Research Corp
N Y Lab Supply Co
Northwest Labs
Patzig Testing Labs
Pfaudler Co
St Eloi Corp
Sel-Rex Corp
Skinner & Sherman Co
Foster D Snell, Inc
Southwestern Engrg Co
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Williams Gold Refining Co, Inc

ANALYSES, MICROCHEMICAL

Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Clark Microanalytical Lab
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Diablo Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
K B Howard Co
International Testing Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Metcalf & Eddy
Morse Labs
N Y Lab Supply Co
St Eloi Corp
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Wisconsin Alumni Research

ANALYSES, PAINT

Allied Analytical & Research Labs
Anthony Engrg Co
G L Bonwitt Labs
Calkin & Bayley, Inc
Chemical Research Assoc
City Testing & Research Labs, Inc
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
A W Dow, Inc
Florida Chemists & Engrs
Herron Testing Labs, Inc
International Testing Labs
LaWall & Harrisson Research Labs
Harold A Levey Labs
Morse Labs
N Y Lab Supply Co
N Y Produce Exchange
Northwest Labs
Paint Research Lab
Samuel P Sadtler & Son
Singa Chem Co
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Wells Labs

ANALYSES, SOAPS & DETERGENTS

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Barail Assoc
Calkin & Bayley, Inc
City Testing & Research Labs, Inc
Colburn Labs
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Essential Chems Co
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Herron Testing Labs, Inc
International Testing Labs
Lachat Biochem Co
Harold A Levey Labs
Morse Labs
LaWall & Harrisson Research Labs
National Diagnostic Labs
N Y Produce Exchange
Pacific Chem Labs
Penetone Co
Robinette Research Labs
Samuel P Sadtler & Son
St Eloi Corp
Louis L Shapiro
Foster D Snell, Inc
Southwestern Labs
Techniservice
Truesdail Labs
United States Testing Co
Emerson Venable
Wisconsin Alumni Research Foundation

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W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
DeBell & Richardson, Inc
DeMent Labs
Detroit Testing Lab
Diablo Labs
Dorn & Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Herron Testing Labs, Inc
Hill Top Research Institute
International Testing Labs
Jarrell-Ash Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Ledoux & Co
Morse Labs
National Aluminate Corp
N Y Lab Supply Co
Pacific Chem Labs
Paint Research Lab
Research Chems
Samuel P Sadtler & Son
St Eloi Corp
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Southwestern Analytical Chems
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
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Frank L Crobaugh Co
Dallas Assoc Labs
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Hagan Chems & Controls, Inc
Harris Labs
Herron Testing Labs, Inc
K B Howard Co
Hurst Labs
International Testing Labs
LaWall & Harrisson Research Labs
Ledoux & Co
Harold A Levey Labs
Metcalf & Eddy
Mitchell & Coopman, Inc
Morse Labs
National Aluminate Corp
National Diagnostic Labs
N Y Lab Supply Co
N Y Produce Exchange
Northwest Labs
Pacific Chem Labs
Patzig Testing Labs
Permutit Co
Pfaudler Co
Samuel P Sadtler & Son
St Eloi Corp
Schwarz Labs
Singa Chem Co
Foster D Snell, Inc
Southwestern Analytical Chems
Southwestern Labs
Sam Tour & Co
Southwestern Labs
Truesdail Labs
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Crippen Labs
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Essential Chems Co
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
International Testing Labs
LaWall & Harrison Research Labs
Harold A Levey Labs
Morse Labs
N Y Lab Supply Co
N Y Produce Exchange
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Louis L Shapiro
Foster D Snell, Inc
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Truesdail Labs
Unitd States Testing Co

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Vulcan-Cincinnati, Inc
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DeMent Labs
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International Testing Labs
Jarrell-Ash Co
LaWall & Harrisson Research Labs
Ledoux & Co
Morse Labs
Patzig Testing Labs
St Eloi Corp
Shankman Labs
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Southwestern Engrg Co
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DiCyan & Brown
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hill Top Research Institute
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Morse Labs
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Truesdail Labs
United States Testing Co
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DeMent Labs
Dorn & Co
International Testing Labs
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Leberco Labs
Ledoux & Co
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ASSAYS, ENDOCRINE

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Dorn & Co
Harris Labs
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LaWall & Harrisson Research Labs
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B

BACTERIOLOGISTS

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Commonwealth Engrg Co of Ohio
Dallas Assoc Labs
Diablo Labs
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Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Hazleton Labs
Hill Top Research Institute
Leberco Labs
Arthur D Little, Inc
LaWall & Harrisson Research Labs
Metcalf & Eddy
National Diagnostic Labs
St Eloi Corp
Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
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Gar-Baker Labs
Harris Labs
Hill Top Research Institute
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Morse Labs
National Aluminate Corp
National Diagnostic Labs
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Schwarz Labs
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United States Testing Co
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McDowell-Wellman
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Preco Chem Corp
S & S Soap Co
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Morse Labs
Penetone Co
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R G Rowe & Assoc
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Southwestern Labs
Tobey Chem Co
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C

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Metcalf & Eddy
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Truesdail Labs
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Chemical & Engrg Assoc
Chemical Coatings & Engrg Co
Chemical Research Assoc
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Paint Research Labs
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Charles A Pfeiffenberger
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Process Chem Specialties
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Scher Bros
Sel-Rex Corp
Solvit Chem Co
Southwestern Labs
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Dowell Div
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Penetone Co
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Detroit Testing Lab
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Lachat Biochem Co
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Insect Control & Research, Inc
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Lachat Biochem Co
LaWall & Harrisson Research Labs
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Southwestern Labs
Technical Enterprises
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Harris Labs
Hazleton Labs
Insect Control & Research, Inc
Isotopes Specialties Co
LaWall & Harrisson Research Labs
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United States Testing Co
Harold Wainess & Assoc

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Bennett-Rosendahl Co
Calkin & Bayley, Inc
Cartmell, Scott & Assoc
Dallas Assoc Labs
Day & Zimmermann, Inc
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Hydrocarbon Research, Inc
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Kellogg-Bishop Assoc
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Bjorksten Research Labs
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Chemical Coatings & Engrg
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Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Diesel & Chem Co
Ehrlich & Irany
Florida Chemists & Engrs
Hagan Chems & Controls, Inc
G B Hogaboom Jr & Co
Walter Kidde & Co
Arthur D Little, Inc
C L Mantell
C E Mange Development Lab
Milwaukee Research Institute Div
Northwest Labs
Plastic Applicators
R G Rowe & Assoc
St Eloi Corp
Schori Process Corp
Sel-Rex Corp
Skeist & Schwarz Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Technical Service, Inc
John I Thompson & Co
Sam Tour & Co
United States Testing Co
Emerson Venable

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Artisan Metal Products
Atlantic Research Corp
Barail Assoc
Bjorksten Research Labs
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Calkin & Bayley, Inc
Chemical & Engrg Assoc
Chemical Mktg & Research Co
Chemical Research Assoc
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Commonwealth Engrg Co of Ohio
Crawford & Russell
Day & Zimmermann, Inc
DeBell & Richardson, Inc
Ehrlich & Irany
Evans Research & Development Corp
F G Firth
Florida Chemists & Engrs
Food & Drug Research Labs
Heyward-Robinson Co
Hurst Labs
LaWall & Harrisson Research Labs
J D Leonard & Assoc
Arthur D Little, Inc
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CONSULTANTS, SANITATION & PUBLIC HEALTH

Bonewitz Chem

Allied Analytical & Research Labs
Associated Analytical Labs
Barail Assoc
Colburn Labs
Dallas Assoc Labs
Day & Zimmermann, Inc
Detroit Testing Lab
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Gibbs & Hill, Inc
Harris Labs
Hazleton Labs
Hill Top Research Institute
Insect Control & Research, Inc
Lachat Biochem Co
LaWall & Harrisson Research Labs
Metcalf & Eddy
Morse Labs
National Diagnostic Labs
J E Sirrine Co
Foster D Snell, Inc
Solvit Chem Co
Southwestern Labs
Truesdail Labs
United States Testing Co
Emerson Venable
Harold Wainess & Assoc
Wells Labs

CONSULTANTS, SURFACE-ACTIVE AGENTS

United States Testing Co

Anthony Engrg Co
Aries Assoc Inc
Barail Assoc
Bennett-Rosendahl Co
Berkshire Color & Chem Corp
Bjorksten Research Labs
Calkin & Bayley, Inc
Chemitron Corp
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Ehrlich & Irany
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
LaWall & Harrisson Research Labs
Harold A Levey Labs
David Litter Labs
Arthur D Little, Inc
John W McCutcheon
National Aluminate Corp
Plastic Applicators
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Scher Bros
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Technisservice
United States Testing Co
Truman B Wayne & Assoc

CONSULTANTS & DESIGNERS, DISASTER

►Vitro Corp of America

Aries Assoc, Inc
Calkin & Bayley, Inc
Ceilcote Co
Detroit Testing Lab
Arthur D Little, Inc
R B MacMullin Assoc
Marine Inspection Engrs
Morse Labs
Emerson Venable
Western Knapp Engrg Co

CONTRACTORS, CORROSION-PROOF CONSTRUCTION

American-Agile Corp
Anthony Engrg Co
Automotive Rubber Co
Barail Assoc
Bechtel Corp
Chase Chem Corp
Chemical Coatings & Engrg Co
Chemsteel Construction Co
Electro Chemical Engrg & Mfg Co
H K Ferguson Co
Flexi-Liner Co
Galigher Co
Jacobs Engrg Co
Knapp Mills, Inc
Maurice A Knight Co
McDowell-Wellman
Pfaudler Co Div
Plastic Applicators
Preco Chem Corp
Robt L Rowan & Assoc
Scientific Design Co
Schori Process Corp
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
Titlestand Corp
Vulcan-Cincinnati, Inc
Western Knapp Engrg Co

COURT TESTIMONY, TECHNICAL

Allied Analytical & Research Labs
Anthony Engrg Co
Aries Assoc, Inc
Associated Analytical Labs
Barail Assoc
Bennet-Rosendahl Co
Chas R Bragdon
Bull & Roberts, Inc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Colyer Co
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
DeMent Labs
Detroit Testing Lab
Diablo Labs
A W Dow, Inc
J Ehrlich
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Herron Testing Labs, Inc
Hill Top Research Institute
Irving Hochstader
K B Howard Co
Insect Control & Research Coro
Kellogg-Bishop Assoc
Lachat Biochem Co
Delmar H Larsen
LeWall & Harrisson Research Labs
LeDoux & Co
Harold A Levey Labs
Arthur D Little, Inc
C L Mantell
Metcalf & Eddy
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Northwest Labs
Pacific Chem Labs
Paint Research Lab
Plas-Tech Equipment Corp
R G Rowe & Assoc
Samuel P Sadtler & Son
Schori Process Corp
Schwarz Labs
Shankman Labs
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Technical Enterprises
Tellepsen Petro-Chem Constructors
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Harold Wainess & Assoc
John M Weiss & Co
Wells Labs

D

DECONTAMINATING SERVICES

Barail Assoc
Isotopes Specialties Co
Preco Chem Corp
Stieh Chems, Inc

DESIGN, CHEMICAL PLANT

Standard Steel Corp
►Vitro Corp of America

Vern E Alden Co
American Air Liquide, Inc
Anthony Engrg Co
Aries Assoc, Inc
Artisan Metal Products
Atlantic Research Corp
W L Badger & Assoc
Barail Assoc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Calkin & Bayley, Inc
J C Carlile Corp
Catalytic Construction Co
Chemical & Industrial Corp
Chemical Construction Corp
Chemitron Corp
Colburn Labs
Commonwealth Engrg Co of Ohio
Crawford & Russell
Dallas Assoc Labs
Day & Zimmermann, Inc
DeBell & Richardson, Inc
Denver Equipment Co
Doyle & Roth Mfg Co
Ehrlich & Irany
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Forter-Teichmann Co
Foster Wheeler Corp
Gibb & Hill, Inc
Girdler Construction Div
Heyward-Robinson Co
Holmes & Narver, Inc
K B Howard Co
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaighin & Hughes, Inc
Kaighin-Hughes-Litwin, Inc
Kaiser Engrg Div
M W Kellogg Co
Koppers Co, Inc, Engrg & Construction Div
Kuljian Corp
Leader Iron Works
J D Leonard & Assoc
Leonard Construction Co
Harold A Levey Labs
Arthur D Little, Inc
R B MacMullin Assoc
Chas T Main, Inc
C L Mantell
John W McCutcheon
McDowell-Wellman
F H McGraw & Co
Arthur G McKee & Co
Morse Labs
N Y Produce Exchange
James P O'Donnell
Ralph M Parsons Co
Petrocarb, Inc
Pfaudler Co Div
Pilot Engrg Co
Process Engrg & Mach Co
Process Plants Engrg Co
Processes Research, Inc
R G Rowe & Assoc
A J Sackett & Sons
Scientific Design Co
Sel-Rex Corp
Singmaster & Breyer
J E Sirrine Co
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Sturtevant Mill Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Titlestad Corp
Sam Tour & Co
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co
Wurster & Sanger

►See catalog advertisement (Advertisers Index) See company directory for addresses

DESIGN, CONTROLS (Temperature, Pressure, etc.)

►Vitro Corp of America

Anthony Engrg Co
Aries Assoc, Inc
Barclay & Dexter Labs
Catalytic Construction Co
Chemical Construction Corp
Colburn Labs
Comstock & Westcott, Inc
Electro-Physics Co
Forter-Teichmann Co
Foster Wheeler Corp
Gibbs & Hill, Inc
Hanson-Gorrill-Brian
Holmes & Narver, Inc
Jacobs Engrg Co
Kaighin & Hughes, Inc
M W Kellogg Co
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
F H McGraw
Arthur G McKee & Co
Northwest Labs
Ralph M Parsons Co
Podbielniak, Inc
R G Rowe & Assoc
Arthur F Smith Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Truman B Wayne & Assoc

DESIGN, DISTILLATION

►Vitro Corp of America

Ace Glass, Inc
Vern E Alden Co
Aries Assoc, Inc
Artisan Metal Products
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Crawford & Russell
Doyle & Roth Mfg Co
H K Ferguson Co
Fluor Corp
Foster Wheeler Corp
Glascote Products
Heyward-Robinson Co
Holmes & Narver, Inc
Jacobs Engrg Co
Kaighin-Hughes-Litwin, Inc
M W Kellogg Co
Koppers Co, Inc, Engrg & Construction Div
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
Arthur G McKee & Co
James P O'Donnell
Ralph M Parsons Co
Pfaudler Co
Charles A Pfeiffenberger
Podbielniak, Inc
Process Engrg & Mach Co
Process Plants Engrg Co
Processes Research, Inc
R G Rowe & Assoc
Scientific Design Co
H E Serner Co
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Technical Enterprises
Tellepsen Petro-Chem Constructors
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Vulcan Mfg
John M Weiss & Co
Wurster & Sanger

DESIGN, PACKAGING

Arnkurt Assoc Engrs
Artisan Metal Products
Associated Analytical Labs
Barail Assoc
Bjorsten Research Labs
Calkin & Bayley, Inc
Catalytic Construction Co
Commonwealth Engrg of Ohio
Comstock & Westcott, Inc
Detroit Testing Lab
Florida Chemists & Engrs
Hinde & Dauch Div
Holmes & Narver, Inc
Chas T Main, Inc
Protective Lining Corp
A J Sackett & Sons
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Technical Enterprises
Technical Service, Inc
John I Thompson & Co
Tubed Chems Corp
United States Testing Co
Truman B Wayne & Assoc

DESIGN, PETROLEUM REFINERY

Universal Oil Products Co

►Vitro Corp of America

Vern E Alden Co
Aries Assoc, Inc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
H K Ferguson Co
Fluor Corp
Foster Wheeler Corp
Holmes & Narver, Inc
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaighin-Hughes-Litwin, Inc
Kaiser Engrg Div
M W Kellogg Co
Arthur D Little, Inc
Litvin Engrg Co
Arthur G McKee & Co
James P O'Donnell
Ralph M Parsons
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Tellepsen Petro-Chem Constructors
Truman B Wayne & Assoc
Western-Knapp Engrg Co

DESIGN, PROCESS EQUIPMENT

►Allied Chem Corp, Semet-Solvay Engrg Div

►Kennedy Van Saun Mfg & Engrg Corp

Standard Steel Corp

Universal Oil Products Co

►Vitro Corp of America

Vern E Alden Co
American Air Liquide, Inc
Anthony Engrg Co
Aries Assoc, Inc
Artisan Metal Products
Atlantic Research Corp
Automotive Rubber Co
W L Badger & Assoc
Baird-Atomic
Baker Perkins
Barail Assoc
Barclay & Dexter Labs
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
Blaw-Knox Co, Buflovak Equipment Div
C F Braun & Co
Calkin & Bayley, Inc
J C Carlile Corp
Catalytic Construction Co
Chemical Construction Corp
Chicago Bridge & Iron Co
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crawford & Russell
DeBell & Richardson, Inc
Denver Equipment Co
Doyle & Roth Mfg Co
Fluor Corp
Food & Drug Research Labs
Forter-Teichmann Co
Foster Wheeler Corp
Galigher Co
Girdler Construction Div
Glascote Products
Heyward-Robinson Co
Holmes & Narver, Inc
Hurst Labs
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaighin & Hughes, Inc
M W Kellogg Co
Knapp Mills, Inc
Maurice A Knight Co
Leader Iron Works
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
C L Mantell
John W McCutcheon
McDowell-Wellman
NY Produce Exchange
National Aluminate Corp
Northwest Labs
James P O'Donnell
Ralph M Parsons Co
Petrocarb, Inc
Pfaudler Co
Plastic Applicators
Podbielniak, Inc
Process Engrg & Mach Co
Process Plants Engrg Co
Processes Research, Inc
R G Rowe & Assoc
A J Sackett & Sons
Scientific Design Co
Ernest Scott & Co
Sel-Rex Corp
H E Serner Co
Silver Engrg Works
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Co
Sturtevant Mill Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Thayer Scale Corp
John I Thompson
Sam Tour & Co
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Vulcan Mfg
Truman B Wayne & Assoc
Wurster & Sanger

DESIGN, SCIENTIFIC INSTRUMENTS

Atlantic Research Corp
Baird-Atomic
Barail Assoc
Barclay & Dexter Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Electro-Physics Co
Food & Drug Research Labs
Jarrell-Ash Co
Kaighin & Hughes, Inc
Walter Kidde & Co
J D Leonard & Assoc
Arthur D Little, Inc
Ralph M Parsons Co
Plas-Tech Equipment Corp
Podbielniak, Inc
R G Rowe & Assoc
Arthur F Smith Co
Technical Service, Inc
United States Testing Co
Williamson Development Co, Inc

DEVELOPMENT SERVICES

Chemical Affiliates

►Vitro Corp of America

Adhesive Products Corp
Allied Analytical & Research Labs
American Air Liquide, Inc
American Bio-Chem Lab
Anthony Engrg Co
Aries Assoc, Inc
Arnkurt Assoc Engrs
Artisan Metal Products
Atlantic Research Corp
Atomic Research Lab
Baird-Atomic
Barail Assoc
Barclay & Dexter Labs
Bechtel Corp
Bjorksten Research Labs
G L Bonwitt Labs
C F Braun & Co
Calkin & Bayley, Inc
Callery Chem Co
J C Carlile Corp
Catalytic Construction Co
Chemical Coatings & Engrg Co
Chemical Construction Corp
Chemical Development Corp
Chemical & Engrg Assoc
City Testing & Research Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Wescott, Inc
Crawford & Russell
Crippen Lab
Frank L Crobaugh Co
DeBell & Richardson, Inc
DeMent Labs
Detroit Testing Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Ehrlich & Irany
Emerson & Cuming, Inc
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Fluid Chem Corp
Food & Drug Research Labs
Foster Wheeler Corp
Harris Labs
Heyward-Robinson
Hill Top Research Institute
Horizons, Inc
K B Howard Co
Hurst Labs
International Testing Labs
Walter Kidde & Co
Knapp Mills, Inc
LaWall & Harrisson Research Labs
Ledoux & Co
J D Leonard & Assoc
Harold A Levey Labs
Arthur D Little, Inc
Lorenz Chem Co
R B MacMullin Assoc
John W McCutcheon
Arthur G McKee & Co
Metcut Research Assoc
Morse Labs
National Research Corp
Paint Research Lab
Ralph M Parsons Co
Petrocarb, Inc
Charles A Pfeiffenberger
Plas-Tech Equipment Corp
Plastic Applicators
Precision Testing Labs
Process Chem Specialties
Robinette Research Labs
Rocky Mt Research
R G Rowe & Assoc
Samuel P Sadtler & Son
St Eloi Corp
Sapon Labs
Schwarz Labs
Scientific Design Co
Sel-Rex Corp
Shankman Labs
Louis L Shapiro
Singmaster & Breyer
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Technical Service, Inc
Techniservice
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
United Engrs & Constructors
Emerson Venable
Vulcan-Cincinnati, Inc
Harold Walness & Assoc
Truman B Wayne & Assoc
John M Weiss & Co
Wells Labs
Wigton-Abbott Corp
Winnebago Chem Service
Wisconsin Alumni Research Foundation
Wurster & Sanger

DEVELOPMENT SERVICES, RUBBER

Adhesive Products Corp
Anthony Engrg Co
Aries Assoc, Inc
Atlantic Research Corp
Automotive Rubber Co
Bjorksten Research Labs
Chemical Coatings & Engrg Co
Colburn Labs
Commonwealth Engrg Co of Ohio
Crawford & Russell
Frank L Crobaugh Co
DeBell & Richardson, Inc
Evans Research & Development Corp
Florida Chemists & Engrs
Arthur D Little, Inc
Newth Rubber Co
Ralph M Parsons Co
Plastic Applicators
Plas-Tech Equipment Corp
Rogers Corp
Samuel P Sadtler & Son
Skeist & Schwarz Labs
Smithers Labs
Foster D Snell, Inc
Tellepsen Petro-Chem Constructors
United States Testing Co

DEVELOPMENTS, CHEMICAL INDUSTRIAL

Chemical Affiliates

Allied Analytical & Research Labs
American Bio-Chem Lab
Aries Assoc, Inc
Atlantic Research Corp
Barail Assoc
Bechtel Corp
Bjorksten Research Labs
Calkin & Bayley, Inc
Callery Chem Co
Catalytic Construction Co
Chemical & Engrg Assoc
Chemical & Industrial Corp
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Diablo Labs
Diesel Chem Co
Dorn & Co
Ehrlich & Irany
J Ehrlich
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Fluor Corp
Food & Drug Research Labs
Heyward-Robinson Co
Horizon, Inc
Hydrocarbon Research, Inc
Jacobs Engrg Co
M W Kellogg Co
Walter Kidde & Co
Knapp Mills, Inc
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
C L Mantell
Milwaukee Research Institute Div
Morse Labs
National Research Corp
Northwest Labs
Ralph M Parsons Co
Charles A Pfeiffenberger
Precision Testing Labs
Process Chem Specialties
Robinette Research Labs
Rocky Mt Research
R G Rowe & Assoc
Samuel P Sadtler & Son
Scientific Design Co
Louis L Shapiro
Singmaster & Breyer
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Technical Enterprises
Tellepsen Petro-Chem Constructors
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co
Wurster & Sanger

DISTILLATION, HIGH VACUUM MOLECULAR

Molecular Distillations, Inc

Bjorksten Research Labs
Glascote Products
Hukill Chem Corp
Arthur G McKee & Co
National Research Corp
Pfaudler Co
Charles A Pfeiffenberger
Arthur F Smith Co
John M Weiss & Co

Molecular Distillations Inc.

a division of

Trans Penn Wax Corp.

P. O. Box 440
Titusville, Pa.

High vacuum molecular distillation on a toll basis for large volume products

New York Office
527 Madison Av.
PLaza 3-6527

See company directory for addresses

►See catalog advertisement (Advertisers Index)

DRUMMING & CANNING FACILITIES

American Oil & Supply Co
E & F King & Co
►Peerless Oil & Chem Corp

Ampion Corp
Clarkson Labs
B R Elk & Co
Fluid Chem Co
Gill Chem Products, Inc
Hukill Chem Corp
Lorenz Chem Co
Arthur G McKee & Co
Ralph M Parsons Co
Penetone Co
Peterson Filling & Packaging Co
Arthur C Trask & Sons

DRYING, SPRAY

Dodge & Olcott, Inc
Ultra Chem Works, Inc

Bowen Engrg, Inc
Equipment Clearing House
Northwest Labs
Plastic Applicators
Silver Engrg Works
Foster D Snell, Inc
Technical Enterprises

E

ENGINEERING & CONSTRUCTION—ATOMIC ENERGY ORE PROCESSING

R E Moyer, Inc
►Vitro Corp of America

Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
H K Ferguson Co
Foster Wheeler Corp
Galigher Co
Hudson Engrg Corp
Isotopes Specialties Co
Kaighin & Hughes, Inc
Kaiser Engrg Div
M W Kellogg Co
Knapp Mills, Inc
Arthur D Little, Inc
Chas T Main, Inc
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co

ENGINEERING SERVICES

►Kennedy Van Saun Mfg & Engrg Corp
R E Moyer, Inc
Standard Steel Corp
►Vitro Corp of America

Vern E Alden Co
Anthony Engrg Co
Aries Assoc, Inc
Artisan Metal Products
Atlantic Research Corp
Baird Atomic, Inc
Barclay & Dexter Labs
Bechtel Corp
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
Blaw-Knox Co, Buflovak Equipment Div
Blount-Tears, Inc
C F Braun & Co
J C Carlile Corp
Catalytic Construction Co
Chemical Construction Corp
Chemical & Engrg Assoc
Chemical & Industrial Corp
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crawford & Russell
Frank L Crobaugh Co
Day & Zimmerman, Inc
DeBell & Richardson, Inc
Denver Equipment Co
Detroit Testing Lab
Dorr-Oliver Inc
Dravo Corp
Emerson & Cuming, Inc
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Foster Wheeler Corp
Ford, Bacon & Davis
Forter-Teichmann Co
Galigher Co
Girdler Construction Div
Gibbs & Hill, Inc
Hagan Chem & Controls, Inc
Heyward-Robinson Co
Holmes & Narver, Inc
K B Howard Co
Hudson Engrg Corp
Industrial Engrg Service
Jacobs Engrg Co
Kaighin & Hughes, Inc
Kaiser Engrg Div
M W Kellogg Co
Walter Kidde & Co
Koppers Co, Engrg & Construction Div
Kuljian Corp
Lachat Biochem Co
Leader Iron Works
Ledoux & Co
J D Leonard & Assoc
Leonard Construction Co
Harold A Levey Labs
Arthur D Little, Inc
Litvin Engrg Co
Lukens Steel Co
R B MacMullin Assoc
Chas T Main, Inc
McDowell-Wellman
F H McGraw & Co
Arthur G McKee & Co
Metcalf & Eddy
James P O'Donnell
Ralph M Parsons Co
Patzig Testing Labs
Petrocarb, Inc
Pfaudler Co Div
Plastic Applicators
Process Chem Specialties
Process Plants Engrg Co
Processes Research, Inc
Protectoseal Co
R G Rowe & Assoc
Rust Engrg Co
Samuel P Sadtler & Son
Scientific Design Co
Sel-Rex Corp
H E Serner Co
Silver Engrg Works
Singmaster & Breyer
Skeist & Schwarz Labs
Foster D Snell, Inc
A J Sackett & Sons
South Florida Test Service
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Sturtevant Mill Co
Technical Enterprises
Technical Service, Inc
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Titlestad Corp
United Engrs & Constructors
United States Testing Co
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co
Wigton-Abbot Corp
Wurster & Sanger

ENGINEERS, CHEMICAL, CONSULTING & INDUSTRIAL

American Oil & Supply Co
R E Moyer, Inc
Standard Steel Corp
►Vitro Corp of America

American Bio-Chem Lab
Anthony Engrg Co
Aries Assoc, Inc
Arnkurt Assoc Engrs
Artisan Metal Products
Atlantic Research Corp
W L Badger & Assoc
Barail Assoc
Bechtel Corp
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
Blount-Tears, Inc
C F Braun & Co
Catalytic Combustion Corp
Catalytic Construction Co
Chemical Construction Corp
Chemical & Engrg Assoc
Chemical & Industrial Corp
Colburn Labs
Colyer Co
Commonwealth Engrg Co of Ohio
Comstock & Wescott, Inc
Crawford & Russell
Crippen Labs
Frank L Crobaugh Co
Day & Zimmermann, Inc
DeBell & Richardson, Inc
Denver Equipment Co
Detroit Testing Lab
Dorn & Co
Dowell Div
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Forter-Teichmann Co
Foster Wheeler Corp
Hagan Chems & Controls, Inc
Heyward-Robinson Co
Irving Hochstadter
Holmes & Narver, Inc
Horizons, Inc
K B Howard Co
Hudson Engrg Corp
Hyrocarbon Research, Inc
Jacobs Engrg Co
Jarrell-Ash Co
Kaighin & Hughes, Inc
Kaiser Engrg Div
Walter Kidde & Co
Knapp Mills Inc
Kuljian Corp
Lachat Biochem Co
Delmar H Larsen
Leader Iron Works
Ledoux & Co
J D Leonard & Assoc
Harold A Levey Labs
Arthur D Little, Inc
R B MacMullin Assoc
Chas T Main, Inc
C L Mantell
Marine Inspection Engrs
John W McCutcheon
F H McGraw & Co
Arthur G McKee & Co
Metcalf & Eddy
Morse Labs
National Aluminate Corp
N Y Produce Exchange
Northwest Labs
James P O'Donnell
Pacific Chem Labs
Paint Research Lab
Frank M Parsons Co
Ralph M Parsons Co
Patzig Testing Labs
Petrocarb, Inc
Charles A Pfeiffenberger
Pilot Engrg Co
Plastic Applicators
Precision Testing Labs
Preco Chem Corp
Process Chem Specialties
Process Plants Engrg Co
Processes Research, Inc
R G Rowe & Assoc
A J Sackett & Sons
Samuel P Sadtler & Son
Scientific Design Co
Singa Chem Co
Singmaster & Breyer
J E Sirrine Co
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Engrg Co
Southwestern Labs
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Technical Enterprises
Technical Service, Inc
Tellepsen Petro-Chem Constructors
Titlestad Corp
Sam Tour & Co
Truesdail Labs
United Engrs & Constructors
United States Testing Co
Emerson Venable
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co
Western-Knapp Engrg Co
Wurster & Sanger

ENGINEERS, CHEMICAL CONTRACTING

R E Moyer, Inc
Standard Steel Corp
►Vitro Corp of America

Artisan Metal Products
Atlantic Research Corp
Barail Assoc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
Blount-Tears, Inc
C F Braun & Co
J C Carlile Corp
Catalytic Construction Co
Chemical Construction Corp
Chemical & Industrial Corp
Crawford & Russell
Day & Zimmermann, Inc
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Girdler Construction Div
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Holmes & Narver, Inc
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Jacobs Engrg Co
Kaighin & Hughes, Inc
Kaiser Engrg Div
Koppers Co, Inc, Chem Plants Div
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Leonard Construction Co
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Ralph M Parsons Co
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Titlestad Corp
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►Allied Chem Corp, Semet-Solvay Engrg Div
►Kennedy Van Saun Mfg & Engrg Corp
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►Vitro Corp of America

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Barail Assoc
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Blaw-Knox Co, Buflovak Equipment Div
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Titlestad Corp
United States Testing Co
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Bechtel Corp
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Holmes & Narver, Inc
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Bechtel Corp
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Lorenz Chem Co
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Northwest Labs
Patzig Testing Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Wiley & Co

INVESTIGATIONS, FIRE & EXPLOSION

Blaw-Knox Co, Chem Plants Div
Bull & Roberts, Inc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
DeMent Labs
Detroit Testing Lab
Florida Chemists & Engrs
Harris Labs
Herron Testing Labs, Inc
K B Howard Co
Walter Kidde & Co
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
Chas T Main, Inc
Marine Inspection Engrs
Morse Labs
Patzig Testing Labs
R G Rowe & Assoc
Samuel P Sadtler & Sons
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable

INVESTIGATIONS, PATENT

Anthony Engrg Co
Aries Assoc, Inc
Associated Analytical Labs
Atlantic Research Corp
Barail Assoc
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
Comstock & Westcott
Frank L Crobaugh Co
DeBell & Richardson, Inc
Detroit Testing Lab
DiCyan & Brown
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Delmar H Larsen
LaWall & Harrisson Research Labs
Harold A Levey Labs
Morse Labs
Northwest Labs
R G Rowe & Assoc
Singa Chem Co
Sam Tour & Co
Emerson Venable

L

LABORATORY EQUIPMENT & SUPPLIES

Fisher Scientific
Wallach-Gracer Export Corp

American Agile Corp
Associated Testing Labs
Baird-Atomic, Inc
Bethlehem Apparatus Co
S Blickman, Inc
Diesel Chem Co
Gallgher Co
Hagan Chems & Controls, Inc
Kaplop Labs
Hans L Landay
Multi-Amp Corp
National Research Corp
N Y Lab Supply Co
Plas-Tech Equipment Corp
Schori Process Corp
Scientific Glass Apparatus Co
Sel-Rex Corp
Arthur F Smith Co
Southwestern Engrg Co
Sturtevant Mill Co
Techniservice
United States Testing Co
Western-Knapp Engrg Co
Will Corp

LABORATORY SERVICES

►Kennedy Van Saun Mfg & Engrg Corp
►Vitro Corp of America

Allied Analytical & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Atlantic Research Corp
Barail Assoc
Bethlehem Apparatus Co
Bjorksten Research Labs
Blaw-Knox Co, Buflovak Equipment Div
Bull & Roberts, Inc
Calkin & Bayley, Inc
Chemical Coatings & Engrg Co
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
DeMent Labs
Detroit Testing Lab
Diablo Labs
DiCyan & Brown
Ehrlich & Irany
Emerson & Cuming, Inc
Evans Research & Development Corp
Florida Chemists & Engrg
Fluid Chem Corp
Food & Drug Research Labs
Gallgher Co
Hagan Chems & Controls, Inc
Harris Labs, Inc
Herron Testing Labs, Inc
Hill Top Research Institute
K B Howard Co
Hukill Chem Corp
International Testing Labs
Kaplop Labs
M W Kellogg Co
Lachat Blochem Co
Hans L Landay
LaWall & Harrisson Research Labs
Leberco Labs
Ledoux & Co
Harold A Levey Labs
Metcut Research Assoc, Inc
Morse Labs
National Diagnostic Labs
National Research Corp
N Y Produce Exchange
Pacific Chem Labs
Paint Research Lab
Patzig Testing Labs
Penetone Co
Plas-Tech Equipment Corp
Robinette Research Labs
Samuel P Sadtler & Son
Schwarz Labs
Shankman Labs
Skeist & Schwarz Labs
Smithers Labs
Foster D Snell, Inc
Southwestern Engrg Co
Technical Enterprises
Technical Service Inc
Techniservice
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Harold Wainess & Assoc
Wells Labs
Western-Knapp Engrg Co
Wisconsin Alumni Research Foundation

M

MARKETING & DEVELOPMENT, CHEMICALS

American Oil & Supply Co
Chemical Affiliates

Aries Assoc, Inc
Associated Analytical Labs
M H Baker Co
Barail Assoc
Bennett-Rosendahl Co
Bjorksten Research Labs
Chas R Bragden
Calkin & Bayley, Inc
Callery Chem Co
Cartmell, Scott & Assoc
Chemical Economic Services
Chemical Mktg & Research Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh
Diablo Labs
Florida Chemists & Engrs
Hukill Chem Corp
Industrial By-Products & Surplus Co Div
W Alec Jordon Assoc
Kellogg-Bishop Assoc
Lachat Blochem Co
LaWall & Harrisson Research Labs
J D Leonard & Assoc
Arthur D Little, Inc
F H McGraw & Co
Plas-Tech Equipment Corp
Robinette Research Labs
R G Rowe & Assoc
Louis L Shapiro
Singa Chem Co
Skeist & Schwarz Labs
Smithers Labs
Wells Labs

MICROSCOPY, TECHNICAL

Allied Analytical & Research Labs
Anthony Engrg Co
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Evans Research & Development Corp
Delmar H Larsen
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Morse Labs
National Diagnostic Labs
Pacific Chem Labs
St Eloi Corp
Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Technical Service Inc
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wisconsin Alumni Research Foundation

MILDEWPROOFING, TEXTILES & FIBERS

Associated Analytical Labs
Barail Assoc
Walter Kidde & Co
Scher Bros
Textile Proofers, Inc
Wells Labs

MILLING, CUSTOM

Davies Nitrate Co

Bio-Rad Labs
Clarkson Labs
Kromall Chem & Dispersions Corp
F H Langsenkamp Co
Majac, Inc
Franklin P Miller & Son
Plastic Applicators
Sturtevant Mill Co
Walton-March

MILLING, DRUGS

Barail Assoc
Franklin P Miller & Son

MILLING, FOOD PRODUCTS

Barail Assoc
Franklin P Miller & Son

MILLING, GUM

Franklin P Miller & Son
Plastic Applicators

MILLING, INSECTICIDES

Barail Assoc
Cornell Chem & Equipment Co
Franklin P Miller & Son
Woodbury Chem Co

MILLING, SHELLAC

Franklin P Miller & Son

MILLING, SPICE

McLaughlin Gormley King Co

MIXING, CUSTOM

American Oil & Supply Co
Bonewitz Chem
Davies Nitrate Co
A-M-R Chem Co
Ampion Corp
Arol Chem Products Co
Associated Brands
Associated Sales & Supply Co
Atlantic Research Corp
Austin Formulating Co
Berkshire Color & Chem Corp
Britex Corp
Chemo Puro Mfg Corp
Clarkson Labs
Essential Chems Co
Franklin Oil & Gas Co
Glascote Products
Hukill Chem Corp
Lorenz Chem Co
L Carlton Mertz Co
Penetone Co
Peterson Filling & Packaging Co
Preco Chem Corp
S & S Soap Co
Scher Bros
H E Serner Co
Sturtevant Mill Co
Tubed Chems Corp
Walton-March
Woodbury Chem Co

MIXING, DRY POWDER

Bonewitz Chem
Davies Nitrate Co
►Humphrey-Wilkinson, Inc
Whittaker Clark & Daniels

A-M-R Chem Co
Ampion Corp
Aries Labs, Inc
Arol Chem Products Co
Associated Brands
Associated Sales & Supply Co
Atlantic Research Corp
Berkshire Color & Chem Corp
Britex Corp
Chemo Puro Mfg Corp
Clarkson Labs
Cornell Chem & Equipment
Diablo Labs
Equipment Clearing House
Essential Chems Co
Franklin Oil & Gas Co
Glascote Products
Walter Kidde & Co
F H Langsenkamp Co
Lorenz Chem Co
L Carlton Mertz Co
N Y Lab Supply Co
Penetone Co
Preco Chem Corp
S & S Soap Co
A J Sackett & Sons
Scher Bros
Sturtevant Mill Co
Walton-March
Woodbury Chem Co

MIXING, LIQUID

American Oil & Supply Co
Bonewitz Chem
Davies Nitrate Co
Independent Chem Corp
E & F King & Co
►Peerless Oil & Chem Corp
Trio Chem Works

A-M-R Chem Co
Afta Solvents Corp
Aries Labs, Inc
Arol Chem Products Co
Associated Brands
Associated Sales & Supply Co
Austin Formulating Co
Bennett, Inc
Berkshire Color & Chem Corp
Britex Corp
J C Carlile Corp
Chase Products Co
Chemical Coatings & Engrg Co
Clarkson Labs
Curley Co
Diablo Labs
B R Elk & Co
Equipment Clearing House
Essential Chems Co
Franklin Oil & Gas Co
Glascote Products
Hukill Chem Corp
Lacquer Specialties, Inc
Lorenz Chem Co
L Carlton Mertz Co
N Y Lab Supply Co
Oil & Chem Products Inc
Penetone Co
Peterson Filling & Packaging Co
Preco Chem Corp
S & S Soap Co
Scher Bros
H E Serner Co
Tubed Chems Corp
Woodbury Chem Co

MODELS, INDUSTRIAL

►Vitro Corp of America

Arnkurt Assoc Engrs
Catalytic Construction Co
Colburn Labs
Frank L Crobaugh Co
Model Masters, Inc
Ralph M Parsons Co
Processes Research, Inc
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
John I Thompson & Co
United States Testing Co

MONITORING, RADIOLOGICAL

Baird-Atomic, Inc
Barclay & Dexter Labs
Isotopes Specialties Co
Nuclear-Chicago Corp
St John X-Ray Lab

P

PACKAGING, AEROSOL

Aeropak, Inc

A-M-R Chem Co
Armstrong Labs
Associated Brands
Barail Assoc
Chase Products Co
Coopers Creek Chem Corp
Crippen Labs
Florida Chemists & Engrs
Fluid Chem Co
Lawson Chem Products Co
Maurry Biological Co
Old Empire
Par Industries Inc
Peterson Filling & Packaging Co
Pfaudler Co Div
Plasti-Kote Inc
Technical Enterprises
Western Filling Corp
Woodlets, Inc

See company directory for addresses ►See catalog advertisement (Advertisers Index)

PACKAGING, PRIVATE LABEL

Aeropak, Inc
American Oil & Supply Co
Bristol Labs
Davies Nitrate Co
►Humphrey-Wilkinson, Inc
E & F King & Co
McLaughlin Gormley King Co
►Peerless Oil & Chem Corp
Trio Chem Works
Ultra Chem Works, Inc

A-M-R Chem Co
Afta Solvents Corp
Amplon Corp
Associated Analytical Labs
Associated Brands
Associated Sales & Supply
C P Baker & Co
Barail Assoc
Bennett, Inc
Britex Corp
Chase Products Co
Clarkson Labs
Coopers Creek Chem Corp
Curley Co
Diesel Chem Co
B R Elk & Co
Essential Chems Co
Fluid Chem Co
A E Halperin Co
Hukill Chem Corp
V & E Kohnstamm, Inc
Lawson Chem Products Co
Lorenz Chem Co
Medical Chems Corp
Maurry Biological Co
L Carlton Mertz Co
Old Empire
Par Industries Inc
Penetone Co
Peterson Filling & Packaging Co
Tubed Chems Corp
Western Filling Corp
Woodbury Chem Co

PACKAGING SERVICES

American Oil & Supply Co
Davies Nitrate Co
►Humphrey-Wilkinson, Inc
E & F King & Co
McLaughlin Gormley King Co
►Peerless Oil & Chem Corp

A-M-R Chem Co
American Bio-Chem Lab
Amplon Corp
Aries Labs, Inc
Armstrong Labs
Associated Analytical Labs
Associated Brands
Barail Assoc
Bradley Container Corp
Chase Products Co
Clarkson Labs
Crippen Labs
Curley Co
B R Elk & Co
Fluid Chem Co
Evans Research & Development Corp
Hukill Chem Corp
Lorenz Chem Co
National Diagnostic Labs
Par Industries Inc
Peterson Filling & Packaging Co
Protective Lining Corp
Techniservice
Tubed Chems Corp
Walton-March
Western Filling Corp
Woodbury Chem Co

PACKING, DRUGS

Bristol Labs

Associated Brands
Barail Assoc
B R Elk & Co
Fluid Chem Co
A E Halperin Co
Hinde & Dauch Div
Maurry Biological Co
Medical Chems Corp
Old Empire Inc
Technical Enterprises

PARENTERAL MANUFACTURING

Bristol Labs

Gauge & Co
Maurry Biological Co
Medical Chem Corp
Organics, Inc

PATENTS, CHEMICAL

Allied Analytical & Research Labs
Anthony Engrg Co
Aries Assoc, Inc
Associated Analytical Labs
Atlantic Research Corp
Barail Assoc
Bjorksten Research Labs
Chemical & Research Assoc
Comstock & Westcott, Inc
DiCyan & Brown
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
LaWall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
N Y Produce Exchange
Charles A Pfeiffenberger
R G Rowe & Assoc
Singa Chem Co
Skeist & Schwarz Labs
John M Weiss & Co
Wisconsin Alumni Research Foundation

PHARMACEUTICAL PREPARATIONS, EXPORT

Pfanstiehl Labs

Allied Analytical & Research Labs
Associated Analytical Labs
Colyer Co
B R Elk & Co
Gauge & Co
Stephen A Karas
Maurry Biological Co
Medical Chem Corp
National Diagnostic Labs
Panray Corp
Shields Selling Service

PHARMACEUTICAL PRODUCT DEVELOPMENT

R W Greeff & Co

Allied Analytical & Research Labs
Associated Analytical Labs
Associated Brands
Barail Assoc
Bjorksten Research Labs
Blaw-Knox Co, Buflovak Equipment Div
Colburn Labs
Colyer Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Evans Research & Development Corp
Florida Chemists & Engrs
J Ehrlich
Food & Drug Research Labs
Harris Labs
Kaplop Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Maurry Biological Co
Medical Chem Corp
Milwaukee Research Institute Div
National Diagnostic Labs
Panray Corp
Charles A Pfeiffenberger
Shankman Labs
Technical Enterprises
Wells Labs
Wisconsin Alumni Research Foundation

PHOTOMICROGRAPHY

Barclay & Dexter Labs
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Evans Research & Development Corp
Florida Chemists & Engrs
Harris Labs
Hazleton Labs
Walter Kidde & Co
Delmar H Larsen
Morse Labs
Pacific Chem Labs
St Eloi Corp
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation

PILL MANUFACTURING

Bristol Labs

Barail Assoc
Technical Enterprises
Wisconsin Alumni Research Foundation

PILOT MANUFACTURE, PLASTIC PRODUCTS

R E Moyer, Inc

American Agile Corp
Anthony Engrg Co
Arnkurt Assoc Engrs
Atlantic Research Corp
Barail Assoc
C T L, Inc
Chemical & Engrg Assoc
DeBell & Richardson, Inc
Evans Research & Development Corp
Arthur D Little, Inc
Luzerne Rubber Co
Milwaukee Research Institute Div
Morse Labs
Protective Lining Corp
Rogers Corp
Schori Process Corp
Skeist & Schwarz Labs

PILOT MANUFACTURE, SYNTHETIC RESINS

R E Moyer, Inc

Artisan Metal Products
Atlantic Research Corp
Blaw-Knox Co, Chem Plants Div
Chemical & Engrg Assoc
Colburn Labs
DeBell & Richardson, Inc
Evans Research & Development Corp
Hukill Chem Corp
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
Plas-Tech Equipment Corp
Preco Chem Corp
Process Plants Engrg Co
Protective Lining Corp
Scher Bros
Skeist & Schwarz Labs

PLANT SERVICES, PILOT

Chemical Affiliates
►Humphrey-Wilkinson, Inc
Nease Chem Co
Standard Steel Corp

American Air Liquide, Inc
Artisan Metal Products
Atlantic Research Corp
Barail Assoc
Barclay & Dexter Labs
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
Chicago Bridge & Iron Co
City Testing & Research Labs
Colburn Labs
Crawford & Russell
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
Doyle & Roth Mfg Co
Evans Research & Development Corp
General American Transportation Corp
Hydrocarbon Research, Inc
Hukill Chem Corp
Jacobs Engrg Co
Kaiser Engrg Div
M W Kellogg Co
Leader Iron Works
Arthur D Little, Inc
McDowell-Wellman
Metcalf & Eddy
Milwaukee Research Institute Div
Morse Labs
Ralph M Parsons Co
Pilot Engrg Co
Process Plants Engrg Co
Rocky Mt Research
Singmaster & Breyer
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Tellepsen-Petro-Chem Constructors
Sam Tour & Co
United Engrs & Constructors
Vulcan-Cincinnati, Inc

PLANTS, ABSORPTION, HYDROCHLORIC ACID

R E Moyer, Inc

Blaw-Knox Inc, Chem Plants Div
Chemical Construction Corp
Fluor Corp
Girdler Construction Div
Heyward-Robinson Co
Holmes & Narver, Inc
Hudson Engrg Co
Maurice A Knight Co
Leonard Construction Co
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
Scientific Design Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises

PLANTS, ACETYLENE

►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
J C Carlile Corp
Chemical Construction Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
M W Kellogg Co
Knapp Mills, Inc
Leonard Construction Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
United Engrs & Constructors

PLANTS, ACID RECOVERY & CONCENTRATION

►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
J C Carlile Corp
Chemical Construction Corp
Chemical & Industrial Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
M W Kellogg Co
Knapp Mills, Inc
Leonard Construction Co
Arthur G McKee & Co
Ralph M Parsons Co
Pfaudler Co
Process Plants Engrg Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Titlestad Corp

PLANTS, AMMONIA

R E Moyer, Inc
►Vitro Corp of America

American Air Liquide, Inc
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaiser Engrg Div
M W Kellogg Co
Koppers Co, Engrg & Construction Div
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors

PLANTS, AMMONIUM NITRATE

R E Moyer, Inc
►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
Chemical & Industrial Corp
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Jacobs Engrg Co
Kaiser Engrg Div
Foster Wheeler Corp
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Tellepsen Petro-Chem Constructors

PLANTS, BENZOL RECOVERY

►Allied Chem Corp, Semet-Solvay Engrg Div
R E Moyer, Inc
►Vitro Corp of America

C F Braun & Co
Fluor Corp
Foster Wheeler Corp
Holmes & Narver, Inc
Hudson Engrg Co
Koppers Co, Engrg & Construction Div
Arthur G McKee & Co
Oil & Chem Products Co
Ralph M Parsons Co
Charles A Pfeiffenberger
Process Plants Engrg Co
Ernest Scott & Co
Southwestern Engrg Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

PLANTS, CARBON DIOXIDE

R E Moyer, Inc
Pure Carbonic Co

Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Jacobs Engrg Co
Franklin P Miller & Son
Ralph M Parsons Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors

PLANTS, CARBON MONOXIDE

►Allied Chem Corp, Semet-Solvay Engrg Div
►Vitro Corp of America

American Air Liquide, Inc
Blaw-Knox Co, Chem Plants Div
Chemical Construction Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Ralph M Parsons Co
Southwestern Engrg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

►See catalog advertisement (Advertisers Index) *Company classifies itself as producer

PLANTS, CAUSTIC SODA

R E Moyer, Inc
►Vitro Corp of America

W L Badger & Assoc
Blaw-Knox Co, Buflovak Equipment Div
Blaw-Knox Co, Chem Plants Div
Chemical Construction Corp
H K Ferguson Co
Fluor Corp
Foster Wheeler Corp
Holmes & Narver, Inc
Hudson Engrg Corp
Jacobs Engrg Co
Kaiser Engrg Co
Knowles Assoc
Leonard Construction Co
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Technical Enterprises
Tellepsen Petro-Chem Constructors

PLANTS, CHLORINE

►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
H K Ferguson Co
Fluor Corp
Holmes & Narver, Inc
Jacobs Engrg Co
Kaiser Engrg Co
Leonard Construction Co
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
J F Pritchard & Co
Process Plants Engrg Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

PLANTS, DESIGN & CONSTRUCTION

►Allied Chem Corp, Semet-Solvay Engrg Div
►Kennedy Van Saun Mfg & Engrg Corp
R E Moyer, Inc
Standard Steel Corp
►Vitro Corp of America

Vern E Alden Co
American Air Liquide, Inc
Aries Assoc, Inc
Artisan Metal Products
Atlantic Research Corp
W L Badger & Assoc
Barail Assoc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
Blount-Tears, Inc
C F Braun & Co
J C Carlile Corp
Catalytic Construction Co
Chemical Construction Corp
Chemical & Industrial Corp
Colburn Labs
Commonwealth Engrg Co of Ohio
Crawford & Russell
Dorr-Oliver Inc
Dravo Corp
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Forter-Teichmann Co
Foster Wheeler Corp
Galigher Co
Girdler Construction Div
Heyward-Robinson Co
Holmes & Narver, Inc
Hudson Engrg Corp
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaighin & Hughes, Inc
Kaiser Engrg Co
M W Kellogg Co
Koppers Co, Inc, Engrg & Construction Div
Kuljian Corp
Leader Iron Works
Leonard Construction Co
J D Leonard & Assoc
Arthur D Little, Inc
Litvin Engrg Co
R B MacMullin Assoc
Chas T Main, Inc
John W McCutcheon
McDowell-Wellman
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Pfaudler Co
Pilot Engrg Co
Process Engrg & Machine Co
Process Plants Engrg Co
A J Sackett & Sons
Scientific Design Co
Singmaster & Breyer
J E Sirrine Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Technical Enterprises
Tellepsen Petro-Chem Constructors
Titlestad Corp
Truman B Wayne & Constructors
United Engrs & Constructors
Vulcan-Cincinnati, Inc
John M Weiss & Co
Western-Knapp Engrg Co
Wigton-Abbott Corp
Wurster & Sanger

PLANTS, FERTILIZER

Standard Steel Corp
►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
C F Braun & Co
J C Carlile Corp
Chemical Construction Corp
Chemical & Industrial Corp
Davidson-Kennedy Co
Dorr-Oliver Inc
H K Ferguson Co
Florida Chemists & Engrs
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hydrocarbon Research, Inc
Jacobs Engrg Co
M W Kellogg Co
Knapp Mills, Inc
Leader Iron Works
Leonard Construction Co
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Pfaudler Co
A J Sackett & Sons
Singmaster & Breyer
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Tellepsen Petro-Chem Constructors
Titlestad Corp
Vulcan-Cincinnati, Inc
Woodbury Chem Co

PLANTS, FORMALDEHYDE

Blaw-Knox Co, Chem Plants Div
Chemical Construction Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
J D Leonard & Assoc
R B MacMullin Assoc
Ralph M Parsons Co
Southwestern Engrg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Vulcan-Cincinnati, Inc

PLANTS, GAS PURIFICATION

►Allied Chem Corp, Semet-Solvay Engrg Div
Barnebey-Cheney Co
►Vitro Corp of America

American Air Liquide, Inc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Jacobs Engrg Co
M W Kellogg Co
Koppers Co, Engrg & Construction Div
Leonard Construction Co
Litvin Engrg Co
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
Process Plants Engrg Co
Scientific Design Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors
Vulcan-Cincinnati, Inc

PLANTS, GLYCERINE RECOVERY

Barail Assoc
Blaw-Knox Co, Chem Plants Div
Fluor Corp
Holmes & Narver Inc
Ralph M Parsons Co
Process Plants Engrg Co
Scientific Design Co
Ernest Scott & Co
Arthur F Smith Co
Southwestern Engrg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Vulcan-Cincinnati, Inc
Wurster & Sanger

PLANTS, HYDROCHLORIC ACID

Blaw-Knox Co, Chem Plants Div
Chemical Construction Corp
Fluor Corp
Girdler Construction Div
Heyward-Robinson Co
Holmes & Narver, Inc
Jacobs Engrg Co
Maurice A Knight Co
Leonard Construction Co
J D Leonard & Assoc
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
Process Plants Engrg Co
Scientific Design Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Titlestad Corp

PLANTS, HYDROGEN

►Vitro Corp of America

American Air Liquide, Inc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Hydrocarbon Research, Inc
Jacobs Engrg Co
Krishell Labs
R B MacMullin Assoc
Arthur G McKee & Co
Ralph M Parsons Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors
Wurster & Sanger

PLANTS, HYDROGEN SULFIDE

Bechtel Corp
Chemical Construction Corp
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Jacobs Engrg Co
Krishell Labs
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors

PLANTS, NITRIC ACID

►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
Chemical Construction Corp
Chemical & Industrial Corp
Fluor Corp
Girdler Construction Div
Holmes & Narver, Inc
Jacobs Engrg Co
J D Leonard & Assoc
F H McGraw & Co
Arthur G McKee & Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
Titlestad Corp

PLANTS, ORE CONCENTRATION

►Vitro Corp of America

Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
H K Ferguson Co
Foster Wheeler Corp
Gallgher Co
Hudson Engrg Corp
Kaiser Engrg Div
Koppers Co, Engrg & Construction Div
Leonard Construction Co
McDowell-Wellman
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co

PLANTS, PACKAGE

►Vitro Corp of America

Vern E Alden Co
Artisan Metal Products
Barail Assoc
Blaw-Knox Co, Chem Plants Div
J C Carlile Corp
Chemical Construction Corp
Doyle & Roth Mfg Co
Forter-Teichmann Co
Girdler Construction Div
Leonard Construction Co
Process Engrg & Mach Co
Process Plants Engrg Co
Scientific Design Co
Foster D Snell, Inc
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Vulcan-Cincinnati, Inc
Wigton-Abbott Corp
Woodbury Chem Co
Wurster & Sanger

PLANTS, PETROCHEMICAL

Universal Oil Products Co
►Vitro Corp of America

Vern E Alden Co
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
Crawford & Russell
H K Ferguson Co
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Hydrocarbon Research, Inc
Jacobs Engrg Co
Kaiser Engrg Div
Koppers Co, Inc, Engrg & Construction Div
J D Leonard & Assoc
Litvin Engrg Co
F H McGraw & Co
Ralph M Parsons Co
Scientific Design Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors
Universal Oil Products
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co

PLANTS, PHOSGENE

Chemical & Industrial Corp
Crawford & Russell
Girdler Construction Div
R B MacMullin Assoc
Southwestern Engrg Co
Technical Enterprises
United Engrs & Constructors

PLANTS, PILOT

R E Moyer, Inc
►Vitro Corp of America

Vern E Alden Co
American Bio-Synthetics Corp
Artisan Metal Products
Atlantic Research Corp
Barail Assoc
C F Braun & Co
Calkin & Bayley, Inc
Catalytic Construction Co
Chemical Construction Corp
Chemical & Industrial Corp
City Testing & Research Labs
Colburn Labs
Crawford & Russell
Crippen Labs
Doyle & Roth Mfg Co
Forter-Teichmann Co
Glascote Products
Heyward-Robinson Co
Holmes & Narver, Inc
Hydrocarbon Research, Inc
Industrial Process Engrs
Jacobs Engrg Co
Kaiser Engrg Div
F H McGraw & Co
Metcalf & Eddy
Milwaukee Research Institute Div
Morse Labs
National Research Corp
Ralph M Parsons Co
Petrocarb, Inc
Podbielniak Inc
Process Engrg & Mach Co
Process Plants Engrg Co
Rocky Mt Research
R G Rowe & Assoc
Ernest Scott & Co
Singmaster & Breyer
Skeist & Schwarz Labs
Arthur F Smith Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Textile Proofers Inc
United Engrs & Constructors
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co
Wurster & Sanger

PLANTS, PLASTIC MATERIALS

Anthony Engrg Co
Atlantic Research Corp
Barail Assoc
Blaw-Knox Co, Chem Plants Div
Catalytic Construction Co
Crawford & Russell
De Bell & Richardson, Inc
Foster Wheeler Corp
Girdler Construction Div
Jacobs Engrg Co
Harold A Levey Labs
Process Plants Engrg Co
R G Rowe & Assoc
Schori Process Corp
Skeist & Schwarz Labs
Southwestern Engrg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

PLANTS, POWER, STEAM

►Vitro Corp of America

Vern E Alden Co
Bechtel Corp
Blount-Tears, Inc
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
Dravo Corp
Fluor Corp
Ford, Bacon & Davis
Foster Wheeler Corp
Gibbs & Hill, Inc
Hagan Chems & Controls, Inc
Kaighan & Hughes, Inc
Kaiser Engrg Div
Kuljian Engrg Div
Leonard Construction Co
Chas T Main, Inc
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Process Plants Engrg Co
Riley Stoker Corp
J E Sirrine Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Tellepsen Petro-Chem Constructors
United Engrs & Constructors
Western-Knapp Engrg Co

PLANTS, RARE EARTHS

►Vitro Corp of America

Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co

PLANTS, RUBBER

Anthony Engrg Co
Atlantic Research Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Crawford & Russell
Fluor Corp
Foster Wheeler Corp
Heyward-Robinson Co
Holmes & Narver, Inc
Hudson Engrg Corp
Plastic Applicators
Southwestern Engrg Co
Stone & Webster Engrg
Tellepsen Petro-Chem Constructors

PLANTS, SOAPS & DETERGENTS

Globe Chem Co
R E Moyer, Inc
Ultra Chem Works, Inc

Barrett Assoc
Blaw-Knox Co, Chem Plants Div
Catalytic Construction Co
Chemithon Corp
Colburn Labs
Essential Chems Co
Fluor Corp
Foster Wheeler Corp
Holmes & Narver, Inc
Leonard Construction Co
John W McCutcheon
N Y Produce Exchange
Oakite Products
Process Plants Engrg Co
R G Rowe & Assoc
Scher Bros
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Engrg Co
Stone & Webster Engrg Corp
Technical Enterprises
Tellepsen Petro-Chem Constructors
Woodbury Chem Co
Wurster & Sanger

PLANTS, SOLVENT EXTRACTION

Universal Oil Products Co
►Vitro Corp of America

Artisan Metal Products
Barrett Assoc
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Catalytic Construction Co
Chemical Construction Corp
Coopers Creek Chem Co
Crawford & Russell
Davidson-Kennedy Co
Fluor Corp
Gallagher Co
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
Industrial Process Engrs
Jacobs Engrg Co
M W Kellogg Co
Litvin Engrg Co
Arthur G McKee & Co
N Y Produce Exchange
Oil & Chem Products Inc
Ralph M Parsons Co
Pfaudler Co
Podbielniak Inc
Process Plants Engrg Co
Ernest Scott & Co
Scientific Design Co
Singmaster & Breyer
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stone & Webster Engrg Corp
Technical Enterprises
Tellepsen Petro-Chem Constructors
Universal Oil Products
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co
Wurster & Sanger

PLANTS, SULFUR

Bechtel Corp
Blaw-Knox Co, Chem Plants Div
C F Braun & Co
Chemical Construction Corp
H K Ferguson Co
Fluor Corp
Foster Wheeler Corp
Girdler Construction Div
Holmes & Narver, Inc
Hudson Engrg Corp
G D Jenssen Co, Inc
Kaiser Engrg Div
Leonard Construction Co
Litvin Engrg Co
Arthur G McKee & Co
Ralph M Parsons Co
Scientific Design Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors

PLANTS, SULFURIC ACID

►Vitro Corp of America

J C Carlie Corp
Chemical Construction Corp
Chemical & Industrial Corp
Fluor Corp
Holmes & Narver, Inc
Hudson Engrg Corp
Kaiser Engrg Div
Koppers Co, Engrg & Construction Div
Knapp Mills, Inc
Leonard Construction Co
Lummus Co
Arthur G McKee & Co
Ralph M Parsons Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Technical Enterprises
Tellepsen Petro-Chem Constructors
Titlestad Corp

PLANTS, SYNTHESIS GAS

►Allied Chem Corp, Semet-Solvay Engrg Div
►Vitro Corp of America

American Air Liquide, Inc
Blaw-Knox Co, Chem Plant Div
C F Braun & Co
Chemical Construction Corp
Fluor Corp
Girdler Construction Div
Holmes & Narver, Inc
Koppers Co, Engrg & Construction Div
Hydrocarbon Research, Inc
Arthur G McKee & Co
Ralph M Parsons Co
Process Plants Engrg Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

PLANTS, WATER CONDITIONING

American Water Softener Co
W L Badger & Assoc
Bull & Roberts, Inc
Catalytic Construction Co
Chem-Pure Service Co
W B Coleman & Co
Everpure, Inc
Ford, Bacon & Davis
Gibbs & Hill, Inc
Graver Water Conditioning Co
Hagan Chems & Controls
Jacobs Engrg Co
Litvin Engrg Co
F H McGraw & Co
National Aluminate Corp
Ralph M Parsons Co
Permutit Co
J E Sirrine Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Tellepsen Petro-Chem Constructors
United Engrs & Constructors

PLASTIC COMPOUNDING, CUSTOM

Arles Labs, Inc
Atlantic Research Corp
Bjorksten Research Labs
Chemical & Engrg Assoc
Chemical Products Corp
Clarkson Labs
Emerson & Cuming, Inc
J Meyer & Sons
Plastic Applicators
Rogers Corp
Skeist & Schwarz Labs

POLLUTION CONTROL, AIR

Barnebey-Cheney Co
Standard Steel Corp
►Vitro Corp of America

American Air Filter Co
Atlantic Research Corp
Automotive Rubber Co
Barrett Assoc
Bechtel Corp
Bjorksten Research Labs
Catalytic Combustion Corp
Chemical Construction Corp
Chemical & Industrial Corp
Colburn Labs
Frank L Crobaugh Co
Day Co
Detroit Testing Lab
Florida Chemists & Engrs
Gibbs & Hill, Inc
Hagan Chems & Controls
Industrial By-Product & Surplus Co Div
Jacobs Engrg Co
Maurice A Knight Co
Arthur D Little, Inc
LaWall & Harrisson Research Labs
Leader Iron Works
F M McGraw & Co
Oxy-Catalyst, Inc
Ralph M Parsons Co
Process Plant Engrg Co
R G Rowe & Assoc
Samuel P Sadtler & Son
Singmaster & Breyer
Foster D Snell, Inc
Southwestern Labs
Stearns-Roger Mfg Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Western Precipitation Corp

POLLUTION CONTROL, STREAM

Barnebey-Cheney Co
Standard Steel Corp

American Bio-Chem Lab
Associated Analytical Labs
Automotive Rubber Co
Barrett Assoc
Bechtel Corp
Blaw-Knox Co, Chem Plants Div
Catalytic Combustion Corp
Chemical Construction Corp
Colburn Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Gibbs & Hill, Inc
Herron Testing Labs, Inc
Industrial By-Products & Surplus Co Div
Kaighan & Hughes, Inc
Maurice A Knight Co
Koppers Co, Engrg & Construction Div
LaWall & Harrisson Research Labs
Leader Iron Works
Arthur D Little, Inc
Litvin Engrg Co
F H McGraw & Co
Metcalf & Eddy
Morse Labs
National Aluminate Corp
Ralph M Parsons Co
R G Rowe & Assoc
Samuel P Sadtler & Son
Singmaster & Breyer
J E Sirrine Co
Foster D Snell, Inc
Southwestern Labs
Stearns-Roger Mfg Co
Truesdail Labs
United States Testing Co
Emerson Venable

PRIVATE FORMULA SERVICES

American Oil & Supply Co
Bonewitz Chem
Bristol Labs
Davies Nitrate Co
Fine Organics, Inc
Globe Chem Co
McLaughlin Gormley King Co

Adhesive Products Corp
Afta Solvents Corp
Allied Analytical & Research Labs
Ampion Corp
Anthony Engrg Co
Associated Analytical Labs
Associated Brands
Austin Formulating Co
M H Baker Co
Barrett Assoc
Bennett, Inc
Bennett-Rosendahl Co
G L Bonwitt Labs
Britex Corp
Clarkson Labs
Coopers Creek Chem Corp
Crippen Labs
Curley Co
De Ment Labs
Detroit Testing Lab
DiCyan & Brown
B R Elk & Co
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Fluid Chem Co
Franklin Oil & Gas Co
Gar-Baker Labs
Kaplop Labs
Stephen A Karas
Arthur D Little, Inc
Lorenz Chem Co
Maurry Biological Co
L Carlton Mertz Co
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Oil & Chem Products Inc
Pacific Chem Labs
Par Industries Inc
Penetone Co
Plastic Applicators
R G Rowe & Assoc
S & S Soap Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Technical Service Inc
Truesdail Labs
Tubed Chems Corp
Emerson Venable
Wisconsin Alumni Research Foundation
Woodbury Chem Co

PRODUCT CERTIFICATION

Allied Analytical & Research Labs
Associated Analytical Labs
Associated Testing Labs, Inc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Diablo Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs, Inc
Hill Top Research Institute
Industrial By-Product & Surplus Co Div
W Alec Jordan Assoc
Morse Labs
Pacific Chem Labs
Patzig Testing Labs
Plas-Tech Equipment Corp
Samuel P Sadtler & Son
Foster D Snell, Inc
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs

PRODUCT EVALUATION

Allied Analytical & Research Labs
American Bio-Chem Lab
Anthony Engrg Co
Associated Analytical Labs
Associated Testing Labs, Inc
M H Baker Co
Barrett Assoc
Bennett-Rosendahl Co
Bjorksten Research Labs
Calkin & Bayley, Inc
Cartmell, Scott & Assoc
Chemical & Engrg Assoc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
DeBell & Richardson, Inc
Diablo Labs
DiCyan & Brown
Evans Research & Development Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs, Inc
Herron Testing Labs, Inc
Hill Top Research Institute
K B Howard Co
Insect Control & Research, Inc
Kellogg-Bishop Assoc
Walter Kidde & Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Harold A Levey Labs
David Litter Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
Plas-Tech Equipment Corp
Precision Testing Labs
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Schwarz Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
R Stecker Labs
Technical Enterprises
Technical Service Inc
Techniservice
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Wisconsin Alumni Research Foundation

PULVERIZING, METAL

Bauer Bros Co
Detroit Testing Lab

PULVERIZING SERVICES

Davies Nitrate Co

Bennett, Inc
Bio-Rad Labs
Commercial Minerals Co
Franklin P Miller & Son

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RADIOISOTOPES, INDUSTRIAL APPLICATION

►Vitro Corp of America

Atomic Research Lab
Baird-Atomic, Inc
Barrett Assoc
Bio-Rad Labs
Bjorksten Research Labs
Frank L Crobaugh Co
Food & Drug Research Labs
Isotopes Specialties Co
Walter Kidde & Co
Knapp Mills, Inc
Lachat Biochem Co
Nuclear-Chicago Corp
St John X-Ray Lab
Foster D Snell, Inc

RECLAIMING, BY-PRODUCT

Chemical Affiliates
Chemsol, Inc
►Vitro Corp of America

American Chem Service
Artisan Metal Products
Barrett Assoc
Chemo Puro Mfg Corp
Comstock & Westcott, Inc
Coopers Creek Chem Corp
Diablo Labs
Hudson Engrg Labs
Industrial By-Product & Surplus Co Div
Koppers Co, Engrg & Construction Div
Hukill Chem Corp
McDowell-Wellman
Morse Labs
Ernest Scott & Co
Singmaster & Breyer
Skeist & Schwarz Labs
Solvents Recovery Service
Vulcan-Cincinnati, Inc

RECLAIMING, SOLVENTS

Barnebey-Cheney Co
Chemical Affiliates
Chemsol, Inc

Artisan Metal Products
Catalytic Construction Co
Coopers Creek Chem Corp
Diablo Labs
Hudson Engrg Corp
Hukill Chem Corp
Industrial By-Product & Surplus Co Div
Lorenz Chem Co
Oil & Chem Products Inc
Pfaudler Co
Ernest Scott & Co
Skeist & Schwarz Labs
Solvents Recovery Service
Spartan Chem Co
Vulcan-Cincinnati, Inc

RECLAIMING, WASTE LACQUER

Chemsol, Inc

Bauer Bros Co
Industrial By-Products & Surplus Co Div
Koppers Co, Engrg & Construction Div
Hukill Chem Corp
Harold A Levey Labs
Pfaudler Co
Ernest Scott & Co
Skeist & Schwarz Labs
Solvents Recovery Service

RECONDITIONING & SALVAGING

Barnebey-Cheney Co
Davies Nitrate Co

Barail Assoc
Denver Equipment Co
Hudson Engrg Corp
Industrial By-Product & Surplus Co Div
Lorenz Chem Co
Marine Inspection Engrs
F H McGraw & Co
Skeist & Schwarz Labs
Solvents Recovery Service
Textile Proofers Inc
United States Testing Co
Van Waters & Rogers

REFINING, CUSTOM

Chemical Affiliates
Davies Nitrate Co

American Chem Service
M Argueso & Co
Barail Assoc
Chemo Puro Mfg Corp
B R Elk & Co
Hudson Engrg
Hukill Chem Corp
Industrial By-Product & Surplus Co Div
Kaplop Labs
Arthur G McKee & Co
Oil & Chem Products Inc
Rocky Mt Research
Frank B Ross Co
Solvents Recovery Service
Williams Gold Refining Co Inc
Worster & Sanger

RESEARCH, APPLICATION

►Vitro Corp of America

Allied Analytical & Research Labs
American Bio-Chem Lab
Anthony Engrg Co
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Callery Chem Co
Chemical Research Assoc
City Testing & Research Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
DeBell & Richardson, Inc
De Ment Labs
Detroit Testing Lab
Diablo Labs
DiCyan & Brown
Dorn & Co
Ehrlich & Irany
Emerson & Cuming, Inc
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research
Hilltop Research Institute
Horizons, Inc
Walter Kidde & Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
David Litter Labs
Arthur D Little, Inc
John W McCutcheon
Metcut Research Assoc, Inc
Milwaukee Research Institute Div
Morse Labs
Plas-Tech Equipment Corp
Research Testing Labs
Robinette Research Labs
Rocky Mt Research
R G Rowe & Assoc
Samuel P Sadtler & Son
Louis L Shapiro
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Frederick Sorel
Southwestern Labs
Sturtevant Mill Co
Technical Enterprises
Technical Service Inc
Techniservice
Truesdail Labs
United States Testing Co
Emerson Venable
Wisconsin Alumni Research Foundation

RESEARCH, BACTERIOLOGICAL

Allied Analytical & Research Labs
Associated Analytical Labs
B-R Analytical Research Labs
Barail Assoc
Bjorksten Research Labs
Chemo Puro Mfg Corp
Commonwealth Engrg Co of Ohio
Crippen Labs
Diablo Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Hagan Chems & Controls, Inc
Harris Labs
Hazleton Labs
Hill Top Research Institute
Arthur D Little, Inc
LaWall & Harrisson Research Labs
Leberco Labs
Milwaukee Research Institute Div
National Diagnostic Labs
Schwarz Labs
Foster D Snell, Inc
Technical Enterprises
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH, BIOCHEMICAL

Allied Analytic & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
B-R Analytical Research
Barail Assoc
Batelle Memorial Institute
Bio-Rad Labs
Bjorksten Research Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Hill Top Research Institute
Lachat Biochem Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
National Diagnostic Labs
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Technical Enterprises
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH, BIOLOGICAL

Allied Analytic & Research Labs
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
B-R Analytical Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Hill Top Research Institute
Insect Control & Research, Inc
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
National Diagnostic Labs
Shankman Labs
Foster D Snell, Inc
Technical Enterprises
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH & CONSULTING, APPLIED MECHANICS

Atlantic Research Corp
Barclay & Dexter Labs
Bjorksten Research Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Detroit Testing Lab
Arthur D Little, Inc
F H McGraw & Co
Metcut Research Assoc, Inc
Morse Labs
Patzig Testing Labs
Plas-Tech Equipment Corp
Technical Service Inc
John I Thompson & Co
Sam Tour & Co
United States Testing Co

RESEARCH & CONSULTING, METALLURGICAL

Arcos Corp
Atlantic Research Corp
Bjorksten Research Labs
C F Braun & Co
Calkin & Bayley, Inc
J Carlile Corp
Chemical Construction Corp
City Testing & Research Labs
W B Coleman & Co
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Frank L Crobaugh Co
Denver Equipment Co
Detroit Testing Labs
Florida Chemists & Engrs
Gallgher Co
Herron Testing Labs
Horizons, Inc
International Testing Labs
Jarrell-Ash Co
Kaiser Engrg Div
Koppers Co, Engrg & Construction Div
Ledoux & Co
Arthur D Little, Inc
Lukens Steel Co
C L Mantell
McDowell-Wellman
F H McGraw & Co
Morse Labs
National Aluminate Co
National Research Corp
Patzig Testing Labs
Pfaudler Co
Process Chem Specialties
Sel-Rex Co
Singmaster & Breyer
Southwestern Engrg Co
Southwestern Labs
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Western-Knapp Engrg Co

RESEARCH & CONSULTING, PHYSICISTS

►Vitro Corp of America

Atlantic Research Corp
Atomic Research Lab
Baird-Atomic, Inc
Barail Assoc
Barkley & Dexter Labs
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott
DeMent Labs
Detroit Testing Lab
Electro-Physics Co
Evans Research & Development Corp
Horizons, Inc
Arthur D Little, Inc
National Research Corp
St Eloi Corp
John I Thompson & Co
United States Testing Co
Emerson Venable
Williamson Development Co

RESEARCH & CONSULTING, SAFETY

Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Bjorksten Research Labs
Bull & Roberts, Inc
Colburn Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Food & Drug Research Labs
Hilltop Research Institute
Isotopes Specialties Co
Walter Kidde & Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Pacific Chem Labs
Foster D Snell, Inc
Techniservice
John I Thompson & Co
Sam Tour & Co, Inc
Emerson Venable

RESEARCH & CONSULTING, TOXICOLOGY

Associated Analytical Labs
Atomic Research Lab
Barail Assoc
Bjorksten Research Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Detroit Testing Lab
Diablo Labs
DiCyan & Brown
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Hill Top Research Institute
Jarrell-Ash Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
National Diagnostic Labs
Pacific Chem Labs
Foster D Snell, Inc
Truesdail Labs
United States Testing Co
Emerson Venable
Harold Wainess & Assoc
Wells Labs
Wisconsin Alumni Research Foundation

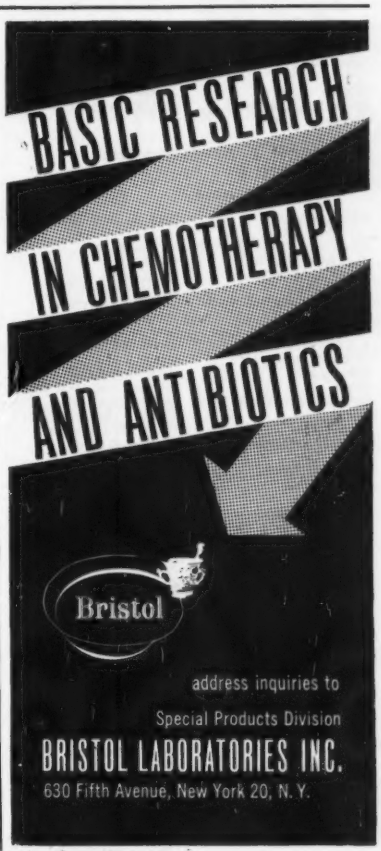
RESEARCH & DEVELOPMENT, ADHESIVES

Adhesive Products Corp
American Bio-Chem Lab
Anthony Engrg Co
Arabol Mfg Co
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Chemical Coatings & Engrg Co
Chemical Development Corp
Chemical & Engrg Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Coopers Creek Chem Corp
Crippen Labs
Frank L Crobaugh Co
Dayton Chem Products Labs
DeBell & Richardson, Inc
Detroit Testing Lab
Ehrlich & Irany
Emerson & Cuming, Inc
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Walter Kidde & Co
LaWall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
Plas-Tech Equipment Corp
Precision Testing Labs
Preco Chem Corp
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Skeist & Schwarz Labs
Louis L Shapiro
Foster D Snell, Inc
Frederick Sorel
R Steckler Labs
Technical Enterprises
Technical Service Inc
Textile Proofers Inc
Sam Tour & Co
Truesdail Labs
United States Testing Co
Wells Labs

RESEARCH & DEVELOPMENT, AEROSOLS

Dodge & Olcott, Inc

A-M-R Chem Co
Associated Brands
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Chase Products Co
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Evans Research & Development Corp
Florida Chemists & Engrs
Fluid Chem Co
Food & Drug Research Labs
Fritzsche Bros
Gar-Bake Labs
Harris Labs
Arthur D Little, Inc
Peterson Filling & Packaging Co
R G Rowe & Assoc
Samuel P Sadtler & Son
Foster D Snell, Inc
Technical Enterprises
United States Testing Co
Harold Wainess & Assoc
Western Filling Corp
Wisconsin Alumni Research Foundation



RESEARCH & DEVELOPMENT, AGRICULTURAL

American Bio-Chem Lab
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Diablo Labs
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
K B Howard Co
Insect Control & Research, Inc
Lachat Biochem Co
J D Leonard & Assoc
Arthur D Little, Inc
Morse Labs
Samuel P Sadtler & Son
United States Testing Co
Wisconsin Alumni Research Foundation

RESEARCH & DEVELOPMENT, CERAMICS

►Vitro Corp of America

Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Corning Glass Works
Crippen Labs
Frank L Crobaugh Co
Emerson & Cuming, Inc
Florida Chemists & Engrs
Horizons, Inc
Hurst Labs
Walter Kidde & Co
Arthur D Little, Inc
Morse Labs
National Research Corp
Norton Co
Pfaudler Co
Research Chems
Technical Enterprises
Sam Tour & Co
United States Testing Co

RESEARCH & DEVELOPMENT, COMBUSTION

Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Catalytic Combustion Corp
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Walter Kidde & Co
Arthur D Little, Inc
National Aluminate Corp
National Research Corp
Oxy-Catalyst, Inc
Samuel P Sadtler & Son
Selas Corp of America
Sam Tour & Co
Truesdail Labs
United Engrs & Constructors
United States Testing Co

RESEARCH & DEVELOPMENT, CORK & WOOD PRODUCTS

Anthony Engrg Co
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Arthur D Little, Inc
Morse Labs
Northwest Labs
Singa Chem Co
Southwestern Labs
United States Testing Co

RESEARCH & DEVELOPMENT, COSMETICS

Dodge & Olcott, Inc

Allied Analytical & Research Labs
Associated Analytical Labs
Associated Brands
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Colburn Labs
Colyer Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Diablo Labs
DiCyan & Brown
Dominion Products
Dorn & Co
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Hazleton Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Harold A Levey Labs
Arthur D Little, Inc
Stephen A Karas
National Diagnostic Labs
Pacific Chem Labs
Robinette Research Labs
Rocky Mt Research
R G Rowe & Assoc
Samuel P Sadtler & Son
Louis L Shapiro
Foster D Snell, Inc
Techniservice
Truesdail Labs
United States Testing Co
Wells Labs

RESEARCH & DEVELOPMENT, DETERGENTS

Bonewitz Chem

Allied Analytical & Research Labs
Anthony Engrg Co
Associated Analytical Labs
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bennett-Rosendahl Co
Berkshire Color & Chem Corp
Bjorksten Research Labs
Britex Corp
Calkin & Bayley, Inc
Chemithon Corp
Clarkson Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Ehrlich & Irany
Electrical Testing Labs
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Hagan Chems & Controls, Inc
LaWall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
John W McCutcheon
National Diagnostic Labs
N Y Produce Exchange
Oakite Products
Penetone Co
Peterson Filling & Packaging Co
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Schaar & Co
Scher Bros
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Technical Enterprises
Techniservice
Truesdail Labs
United States Testing Co
Emerson Venable
Wurster & Sanger

RESEARCH & DEVELOPMENT, ENZYMES

Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Diablo Labs
DiCyan & Brown
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
United States Testing Co

RESEARCH & DEVELOPMENT, FATS & OILS

Allied Analytical & Research Labs
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
Calkin & Bayley, Inc
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Diablo Labs
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
LaWall & Harrisson Research Labs
Arthur D Little, Inc
John W McCutcheon
Morse Labs
N Y Produce Exchange
Paint Research Lab
R G Rowe & Assoc
Samuel P Sadtler & Son
Shankman Labs
Louis L Shapiro
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Labs
Technical Enterprises
Techniservice
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation
Wurster & Sanger

RESEARCH & DEVELOPMENT, FLAVORS

Dodge & Olcott, Inc

Associated Analytical Labs
Atomic Research Lab
M H Baker Co
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Dominion Products
Evans Research & Development Corp
Florida Chemists & Engrs
Fritzsche Bros
Food & Drug Research Labs
Harris Labs
Stephen A Karas
V & E Kohnstamm, Inc
LaWall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
Samuel P Sadtler & Son
Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Techniservice
United States Testing Co
Wisconsin Alumni Research Foundation

RESEARCH & DEVELOPMENT, FOODS

Allied Analytical & Research Labs
American Bio-Chem Labs
Associated Analytical Labs
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Buflovak Equipment Div
Calkin & Bayley, Inc
Colyer Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Pacific Chem Labs
Peterson Filling & Packaging Co
R G Rowe & Assoc
Samuel P Sadtler & Son
Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Technical Enterprises
Techniservice
Truesdail Labs
United States Testing Co
Harold Wainess & Assoc
Western Filling Corp
Wisconsin Alumni Research Foundation

RESEARCH & DEVELOPMENT, GLASS

Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Corning Glass Works
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Florida Chemists & Engrs
Forter-Teichmann Co
Horizons, Inc
Harold A Levey Labs
Arthur D Little, Inc
Pfaudler Co
Technical Service Inc
United States Testing Co

RESEARCH & DEVELOPMENT, HYDROMETALLURGY

►Vitro Corp of America

Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
J C Carlile Corp
Chemical Construction Corp
Frank L Crobaugh Co
Ledoux & Co
Arthur D Little, Inc
Morse Labs
National Research Corp
Singmaster & Breyer
Southwestern Engrg Co
Western-Knapp Engng Co

RESEARCH & DEVELOPMENT, IMPREGNATING

American Bio-Chem Lab
Anthony Engrg Co
Atomic Research Lab
Barkley & Dexter Labs
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Buflovak Equipment Div
G L Bonwitt Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Ehrlich & Irany
Evans Research & Development Corp
Arthur D Little, Inc
Milwaukee Research Institute Div
National Research Corp
Singa Chem Co
Skeist & Schwarz Labs
Arthur F Smith Co
Frederick Sorel
Technical Service Inc
United States Testing Co

RESEARCH & DEVELOPMENT, INKS

Anthony Engrg Co
Arabol Mfg Co
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Chas R Bragdon
Calkin & Bayley, Inc
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Gar-Baker Labs
Harold A Levey Labs
Arthur D Little, Inc
Magic-Glow Chem Corp
R G Rowe & Assoc
Samuel P Sadtler & Son
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Sam Tour & Co
United States Testing Co

RESEARCH & DEVELOPMENT, INORGANIC CHEMICALS

Chemical Affiliates
►Vitro Corp of America

Allied Analytical & Research Labs
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
C F Braun & Co
Calkin & Bayley, Inc
Callery Chem Co
Chemical Construction Corp
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Evans Research & Development Corp
Florida Chemists & Engrs
Heyward-Robinson Co
Horizons, Inc
International Testing Labs
Ledoux & Co
J D Leonard & Assoc
Arthur D Little, Inc
C L Mantell
Milwaukee Research Institute Div
National Aluminate Co
National Research Corp
Pilot Engrg Co
Research Chems
Rocky Mt Research
R G Rowe & Assoc
Singa Chem Co
Singmaster & Breyer
Foster D Snell, Inc
Technical Enterprises
Telleosen Petro-Chem Constructors
Truesdail Labs
United States Testing Co
John M Weiss & Co
Wisconsin Alumni Research Foundation

RESEARCH & DEVELOPMENT, LEATHER

Anthony Engrg Co
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Dallas Assoc Labs
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Arthur D Little, Inc
Robinette Research Labs
Samuel P Sadtler & Son
Skeist & Schwarz Labs
United States Testing Co

RESEARCH & DEVELOPMENT, LUBRICANTS

American Oil & Supply Co

American Bio-Chem Lab
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Chase Products Co
Chemical & Engrg Assoc
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Franklin Oil & Gas Co
Walter Kidde & Co
Harold A Levey Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
R G Rowe & Assoc
Samuel P Sadtler & Son
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Labs
Technical Service Inc
United States Testing Co
Emerson Venable

►See catalog advertisement (Advertisers Index) See company directory for addresses

RESEARCH & DEVELOPMENT, NUCLEAR FUEL ELEMENTS & RECOVERY

►Vitro Corp of America

Atomic Research Lab
Babcock & Wilcox Co
Louis C Barail
Battelle Memorial Institute
Bjorksten Research Labs
Bio-Rad Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Fluor Corp
Isotopes Specialties Co
Kaiser Engrg Div
Knapp Mills, Inc
Ledoux & Co
Arthur D Little, Inc
M & C Nuclear, Inc
Norton Co
Singmaster & Breyer

RESEARCH & DEVELOPMENT, PAINTS

Anthony Engrg Co
Arabol Mfg Co
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Chas R Bragdon
Calkin & Bayley, Inc
Chase Products Co
Chemical & Engrg Assoc
Chemical Coatings & Engrg Co
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Coopers Creek Chem Corp
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Lab
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Heyward-Robinson Co
Hurst Labs
International Testing Labs
J D Leonard & Assoc
Harold A Levey Labs
David Litter Labs
Arthur D Little, Inc
Morse Labs
Paint Research Lab
Preco Chem Corp
R G Rowe & Assoc
Samuel P Sadtler & Son
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
R Steckler Labs
Truesdail Labs
United States Testing Co
Wells Labs

RESEARCH & DEVELOPMENT, PAPER

American Bio-Chem Lab
Associated Analytical Labs
Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Hinde & Dauch Div
LaWall & Harrisson Research Labs
Arthur D Little, Inc
National Aluminate Corp
Precision Testing Labs
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Singa Chem Co
Skeist & Schwarz Labs
United States Testing Co
Wells Labs

RESEARCH & DEVELOPMENT, PHARMACEUTICAL

Bristol Labs

Allied Analytical & Research Labs
Associated Analytical Labs
Associated Brands
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Buflovak Equipment Div
Calkin & Bayley, Inc
Colyer Co
Colburn Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Diablo Labs
DiCyan & Brown
Dorn & Co
J Ehrlich
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Hazleton Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Arthur D Little, Inc
Maurry Biological Co
Medical Chem Corp
Milwaukee Research Institute Div
Panray Corp
Samuel P Sadtler & Son
Sapon Labs
Shankman Labs
Technical Enterprises
Truesdail Labs
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH & DEVELOPMENT, PLASTICIZERS

Chemical Affiliates

Anthony Engrg Co
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Colburn Labs
Commonwealth Engrg Co of Ohio
Coopers Creek Chem Corp
Crippen Labs
Frank L Crobaugh Co
De Bell & Richardson, Inc
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Arthur D Little, Inc
Plas-Tech Equipment Corp
Precision Testing Labs
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Louis L Shapiro
Singa Chem Co
Skeist & Schwarz Labs
Arthur F Smith Co
Technical Enterprises
United States Testing Co

RESEARCH & DEVELOPMENT, PLASTICS

American Agile Corp
American Bio-Chem Lab
Anthony Engrg Co
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
G L Bonwitt Labs
C T L, Inc
Calkin & Bayley, Inc
Chemical Coatings & Engrg Co
Chemical & Engrg Assoc
Chemical Products Corp
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Coopers Creek Chem Corp
Crawford & Russell
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
Detroit Testing Lab
Ehrlich & Irany
Emerson & Cuming, Inc
Evans Research & Development Corp
F G Firth
Florida Chemists & Engrs
Food & Drug Research Labs
Furane Plastics Inc
Horizons, Inc
Industrial Engrg Service
International Testing Labs
Walter Kidde & Co
Harold A Levey Labs
J D Leonard & Assoc
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
Northwest Labs
Plas-Tech Equipment Corp
Plastic Applicators
Protective Lining Corp
Robinette Research Labs
Rogers Corp
R G Rowe & Assoc
Samuel P Sadtler & Son
Schori Process Corp
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Frederick Sorel
South Florida Test Service
Technical Enterprises
Technical Service Inc
Tellepsen Petro-Chem Constructors
United States Testing Co
John M Weiss & Co

RESEARCH & DEVELOPMENT, RARE EARTHS

Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Florida Chemists & Engrs
Ledoux & Co
Arthur D Little, Inc
Research Chems
Rocky Mt Research
Singmaster & Breyer

RESEARCH & DEVELOPMENT, RUBBER

Adhesive Products Corp
Anthony Engrg Co
Atlantic Research Corp
Atomic Research Lab
Automotive Rubber Co
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Chemical Coatings & Engrg Co
Colburn Labs
Commonwealth Engrg Co of Ohio
Crawford & Russell
Crippen Labs
Frank L Crobaugh Co
Dayton Chem Products Labs
Detroit Testing Lab
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Arthur D Little, Inc
Plas-Tech Equipment Corp
Newth Rubber Co
Plastic Applicators
Rogers Corp
Singa Chem Co
Skeist & Schwarz Labs
Smithers Labs
South Florida Test Service
Foster D Snell, Inc
Tellepson Petro-Chem Constructors
United States Testing Co

RESEARCH & DEVELOPMENT, SPECIALTY FORMULATION

American Oil & Supply Co
Chemical Affiliates

Adhesive Products Corp
Allied Analytical & Research Labs
American Bio-Chem Lab
Anthony Engrg Co
Associated Analytical Labs
Associated Brands
Atlantic Research Corp
Austin Formulating Co
M H Baker Co
Barail Assoc
Battelle Memorial Institute
Bennett-Rosendahl Co
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Chase Products Co
Chemical Coatings & Engrg Co
Chemical & Engrg Assoc
Cleveland Chem Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
De Ment Labs
DiCyan & Brown
Dorn & Co
Ehrlich & Irany
Emerson & Cuming, Inc
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Fluid Chem Corp
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Kaplop Labs
Walter Kidde & Co
Lachat Biochem Co
La Wall & Harrisson Research Labs
Harold A Levey Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
National Aluminate Co
Northwest Labs
Penetone Co
Precision Testing Labs
Robinette Research Labs
R G Rowe & Assoc
Schori Process Corp
Shankman Labs
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Solvit Chem Co
Frederick Sorel
Technical Service Inc
Techniservice
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Wisconsin Alumni Research

RESEARCH & DEVELOPMENT, SURFACE COATING

►Vitro Corp of America
Adhesive Products Corp
American Bio-Chem Lab
Anthony Engrg Co
Applied Plastics Co
Arabol Mfg Co
Atlantic Research Corp
Atomic Research Labs
Battelle Memorial Institute
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
G L Bonwitt Labs
Chas R Bragdon
Calkin & Bayley, Inc
Chemical Coatings & Engrg Co
Chemical & Engrg Assoc
Chemical Products Corp
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Coopers Creek Chem Corp
Crippen Labs
Frank L Crobaugh Co
Daniel-Litter Labs
DeBell & Richardson, Inc
Ehrlich & Irany
Emerson & Cuming, Inc
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Horizons, Inc
Hurst Labs
International Testing Labs
Walter Kidde & Co
Knapp Mills, Inc
J Landau & Co
La Wall & Harrisson Research Labs
Harold A Levey Labs
David Litter Labs
Arthur D Little, Inc
Morse Labs
National Research Corp
Norton Co
Pfaudler Co
Plas-Tech Equipment Corp
Plastic Applicators
Oakite Products
R G Rowe & Assoc
Samuel P Sadtler & Son
Schori Process Corp
Sel-Rex Corp
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Frederick Sorel
South Florida Test Service
Sam Tour & Co
Truesdail Labs
United States Testing Co

RESEARCH & DEVELOPMENT, SYNTHETIC RESINS

Anthony Engrg Co
Applied Plastics Co
Arabol Mfg Co
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bio-Rad Labs
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
G L Bonwitt Labs
C T L, Inc
Calkin & Bayley, Inc
Chemical Development Corp
Chemical & Engrg Assoc
Chemical Research Assoc
Colburn Labs
Commonwealth Engrg Co of Ohio
Crawford & Russell
Crippen Labs
Frank L Crobaugh Co
Daniel-Litter Labs
DeBell & Richardson, Inc
Ehrlich & Irany
Emerson & Cuming, Inc
Essential Chems Co
Evans Research & Development Corp
F G Firth
Florida Chemists & Engrs
J D Leonard & Assoc
David Litter Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
Permutit Co
Plas-Tech Equipment Corp
Precision Testing Labs
Robinette Research Labs
R G Rowe & Assoc
Samuel P Sadtler & Son
Scher Bros
Scientific Design Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Frederick Sorel
Technical Enterprises
United States Testing Co
John M Weiss & Co

RESEARCH & DEVELOPMENT, TEXTILES

Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Ehrlich & Irany
Florida Chemists & Engrs
Evans Research & Develop
Arthur D Little, Inc
Robinette Research Labs
Samuel P Sadtler & Son
Scher Bros
Singa Chem Co
Skeist & Schwarz Labs
Foster D Snell, Inc
South Florida Test Service
Technical Service Inc
United States Testing Co

RESEARCH & DEVELOPMENT, VACUUM TECHNOLOGY

Atomic Research Lab
Battelle Memorial Institute
Bjorksten Research Labs
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Florida Chemists & Engrs
Hurst Labs
Hans L Landay
Arthur D Little, Inc
National Research Corp
Charles A Pfeiffenberger
Process Chem Specialties
R G Rowe & Assoc
Arthur F Smith Co
Sam Tour & Co, Inc
Technical Enterprises

RESEARCH & DEVELOPMENT, WASTE DISPOSAL

Barnebey-Cheney Co
Chemical Affiliates
Illinois Water Treatment Co
Standard Steel Corp

►Vitro Corp of America

Allied Analytical & Research Labs
American Bio-Chem Lab
American Water Softener Co
Anthony Engrg Co
Artisan Metal Products
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Catalytic Combustion Corp
Colburn Labs
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Dallas Assoc Labs
Evans Research & Development Corp
Florida Chemists & Engrs
Gibbs & Hill, Inc
Hagan Chems & Controls
Harris Labs

(Continued)

RESEARCH & DEVELOPMENT, WASTE DISPOSAL (continued)

Industrial By-Products & Surplus Co Div
Isotopes Specialties Co
Kaighan & Hughes, Inc
Knapp Mills, Inc
Koppers Co, Engrg & Construction Div
Lachat Biochem Co
Leader Iron Works
Arthur D Little, Inc
C L Mantell
Metcalf & Eddy
Morse Labs
National Aluminate Co
Oxy-Catalyst, Inc
Permutit Co
Pfaudler Co
Pilot Engrg Co
R G Rowe & Assoc
Samuel P Sadtler & Sons
Frederick Sorel
Truesdail Labs
United States Testing Co
Emerson Venable
Vulcan-Cincinnati, Inc
Western-Knapp Engrg Co

RESEARCH & DEVELOPMENT, WAXES

Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bennet-Rosendahl Co
Bjorksten Research Labs
Calkin & Bayley, Inc
Colburn Labs
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
Ehrlich & Irany
Essential Chems Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Arthur D Little, Inc
N Y Produce Exchange
R J Rosen
Frank B Ross Co
R G Rowe & Assoc
Samuel P Sadtler & Son
Louis L Shapiro
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Sam Tour & Co
United States Testing Co

RESEARCH, EXPERIMENTAL

►Vitro Corp of America

Alchem
American Bio-Chem Lab
Anthony Engrg Co
Applied Science & Chem Corp
Artisan Metal Products
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Callery Chem Co
Chemical Engrg Assoc
Chemical Research Assoc
City Testing & Research Labs
Colburn Labs
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
De Ment Labs
Detroit Testing Lab
Diablo Labs
DiCyan & Brown
Ehrlich & Irany
Electro-Physics Co
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Hill Top Research Institute
Horizons, Inc
Kaplop Labs
M W Kellogg Co
Walter Kidde & Co
LaWall & Harrisson Research Labs
Harold A Levey Labs
Morse Labs
N Y Produce Exchange
National Research Corp
Paint Research Lab
Pfaudler Co
Pilot Engrg Co
Plas-Tech Equipment Corp
Precision Testing Labs
Robinette Research
Rocky Mt Research
Samuel P Sadtler & Son
St Eloi Corp
Shankman Labs
Skeist & Schwarz Labs
Foster D Snell, Inc
Technical Enterprises
Technical Service, Inc
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH, INDUSTRIAL

►Vitro Corp of America

Alchem
American Bio-Chem Lab
Anthony Engrg Co
Aries Assoc, Inc
Artisan Metal Products
Atlantic Research Corp
Atomic Research Lab
Baird-Atomic
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
C F Braun & Co
Bull & Roberts, Inc
Calkin & Bayley, Inc
Callery Chem Co
Chemical Construction Corp
Chemical Economic Services
Chemical Mktg & Research Co
City Testing & Research Labs
Colburn Labs
Commonwealth Engrg Co of Ohio
Comstock & Wescott, Inc
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
De Ment Labs
Denver Equipment Co
Detroit Testing Labs
DiCyan & Brown
Ehrlich & Irany
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Forter-Teichmann Co
Gar-Baker Labs
Harris Labs
Horizons, Inc
M W Kellogg Co
Kellogg Assoc
Walter Kidde & Co
Lachat Biochem Co
Harold A Levey Labs
Arthur D Little, Inc
Milwaukee Research Institute Div
Morse Labs
National Research Corp
N Y Produce Exchange
Penetone Co
Pfaudler Co
Charles A Pfeiffenberger
Pilot Engrg Co
Plas-Tech Equipment Co
Precision Testing Labs
Robinette Research Labs
Rocky Mt Research
Samuel P Sadtler & Son
Sapon Labs
Louis L Shapiro
Singa Chem Co
Skeist & Schwarz Labs
Frederick Sorel
Southwestern Labs
R Steckler Labs
Technical Enterprises
Technical Service, Inc
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs
Western-Knapp Engrg Co
Wisconsin Alumni Research Foundation

RESEARCH, LITERATURE

Alchem
Aries Assoc, Inc
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Bennett-Rosendahl Co
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Chemical Economic Services
Chemical Mktg & Research Co
Chemical Translating Service
Colburn Labs
Crippen Labs
Frank C Crobaugh & Co
Dallas Assoc Labs
Detroit Testing Labs
DiCyan & Brown
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Hazleton Labs
Horizons, Inc
W Alec Jordan & Assoc
Lachat Biochem Co
Delmar H Larsen
Arthur D Little, Inc
James M Margolis
Charles A Pfeiffenberger
Plas-Tech Equipment Corp
Process Chem Specialties
Robinette Research Labs
R G Rowe & Assoc
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Techniservice
John I Thompson & Co
Truesdail Labs
Wells Labs

RESEARCH, MARKET (CHEMICAL & MEDICAL)

Anthony Engrg Co
Aries Assoc, Inc
M H Baker Co
Barail Assoc
Bjorksten Research Labs
Chas R Bragdon
Calkin & Bayley, Inc
Cartmell, Scott & Assoc
Chemical Economic Services
Chemical Mktg & Research Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Frank L Crobaugh Co
Dallas Assoc Labs
DiCyan & Brown
Evans Research & Development Corp
Florida Chemists & Engrs
Ford, Bacon & Davis
Industrial By-Product & Surplus Co Div
Jacobs Engrg Co
W Alec Jordan & Assoc
Kellogg Assoc
Lachat Biochem Co
Arthur D Little, Inc
F H McGraw & Co
Morse Labs
Plas-Tech Equipment Corp
Process Chem Specialties
Robinette Research Labs
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Tellepsen Petro-Chem Constructors
John I Thompson & Co
United States Testing Co
Wells Labs

RESEARCH, OPERATIONS

Allied Analytic & Research Labs
Associated Analytical Labs
Atlantic Research Corp
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Calkin & Bayley, Inc
Kaplop Labs
Kellogg Assoc
Kellogg-Bishop Assoc
Arthur D Little, Inc
Skeist & Schwarz Labs
Technical Enterprises
John I Thompson & Co
Sam Tour & Co
United States Testing Co

RESEARCH, PHARMACOLOGICAL

Bristol Labs

Associated Analytical Labs
Atomic Research Lab
Barail Assoc
Battelle Memorial Institute
Bjorksten Research Labs
Commonwealth Engrg Co of Ohio
Crippen Labs
Diablo Labs
DiCyan & Brown
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Hill Top Research Institute
Stephen A Karas
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
Arthur D Little, Inc
National Diagnostic Labs
Wells Labs

RESEARCH, PHYSIOLOGICAL

Atomic Research Lab
Barail Assoc
Bjorksten Research Labs
Diablo Labs
DiCyan & Brown
Florida Chemists & Engrs
Food & Drug Research Labs
Lachat Biochem Co
Hill Top Research
LaWall & Harrisson
Leberco Labs
Arthur D Little, Inc
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

RESEARCH, RADIOCHEMICAL

►Vitro Corp of America

Atomic Research Lab
Battelle Memorial Institute
Bio-Rad Labs
Bjorksten Research Labs
Frank L Crobaugh Co
Diablo Labs
Food & Drug Research Labs
Isotopes Specialties Co
Lachat Biochem Co
Ledoux & Co
Arthur D Little, Inc
LaWall & Harrisson Research Labs
Nuclear-Chicago Corp
St John X-Ray Lab
Schwarz Labs
Foster D Snell, Inc
Southwestern Labs
Wisconsin Alumni Research Foundation

RESEARCH & TESTING, OIL

Allied Analytical & Research Labs
Atomic Research Lab
Barail Assoc
C F Braun & Co
Bull & Roberts, Inc
Calkin & Bayley, Inc
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
A W Dow, Inc
Florida Chemists & Engrs
Food & Drug Research Labs
Franklin Oil & Gas Co
International Testing Labs
Walter Kidde & Co
Harold A Levey Labs
Morse Labs
National Aluminate Corp
Northwest Labs
Patzig Testing Labs
Samuel P Sadtler & Son
Foster D Snell, Inc
Southwestern Labs
Sam Tour & Co
United States Testing Co
Emerson Venable

S

SEPARATING SERVICES

R E Moyer, Inc

Barail Assoc
Hydrocarbon Research, Inc
Industrial By-Products & Surplus Co Div
Knowles Assoc
Charles A Pfeiffenberger
PulVeRite, Inc
Research Chems, Inc
Southwestern Engrg Co
Sturtevant Mill Co
Technical Enterprises

SLUDGE & WASTE RECLAIMING, METAL

Chemical Affiliates
Illinois Water Treatment Co
R E Moyer, Inc
Standard Steel Corp

Chemical Construction Corp
Dallas Assoc Labs
Florida Chemists & Engrs
Industrial By-Products & Surplus Co Div
International Testing Labs
Leader Iron Works
C L Mantell
McDowell-Wellman
Metcalf & Eddy
Permutit Co
Pfaudler Co
Sam Tour & Co
Williams Gold Refining Co

SPECTROGRAPHING

Allied Analytical & Research Labs
Associated Analytical Labs
Baird-Atomic
Barail Assoc
W B Coleman & Co
Crippin Labs
Frank L Crobaugh Co
Dallas Assoc Labs
Detroit Testing Labs
Diablo Labs
Herron Testing Labs
Jarrell-Ash Co
Walter Kidde & Co
Lachat Biochem Co
Ledoux & Co
Paint Research Lab
Research Chems, Inc
Foster D Snell, Inc
United States Testing Co

SPECTROPHOTOMETRY

Allied Analytical & Research Labs
Associated Analytical Labs
Atlantic Research Corp
Baird-Atomic
Barail Assoc
Colburn Labs
W B Coleman & Co
Crippin Labs
Frank L Crobaugh Co
Dallas Assoc Labs
De Ment Labs
Detroit Testing Labs
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hazleton Labs
Herron Testing Labs
International Testing Labs
Jarrell-Ash Co
Lachat Biochem Co
Ledoux & Co
Morse Labs
N Y Supply Co
Paint Research Lab
Samuel P Sadtler & Sons
St Eloi Corp
Schwarz Labs
Shankman Labs
Foster D Snell, Inc
Southwestern Analytical Chems
Spectra Research Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation

STEAM & POWER STATIONS

►Vitro Corp of America

Vernon E Alden
Bechtel Corp
C F Braun & Co
Bull & Roberts
W B Coleman & Co
Dravo Corp
Fluor Corp
Ford Bacon & Davis
Gibbs & Hill, Inc
Kaighan & Hughes
Kaiser Engrg Div
Kuljian Corp
Leonard Construction Co
Lockwood Greene Engrs
Chas T Main, Inc
F H McGraw & Co
Arthur G McKee & Co
Ralph M Parsons Co
Process Plants Engrg Co
Benj F Shaw Co
Stearns-Roger Mfg Co
Riley Stoker Corp
Stone & Webster Engrg Corp
Tellepsen Petro-Chem Constructors
Truesdail Labs
United Engrs & Constructors
Western-Knapp Engrg Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

STORAGE & DISTRIBUTION, CHEMICALS

American Oil & Supply Co
Bonewitz Chem
Davies Nitrate Co
Globe Chem Co
Independent Chem Corp
E & F King & Co
►Peerless Oil & Chem Corp
Pfanstiehl Labs

Britex Corp
J C Carlile Corp
Catalytic Construction Co
Clarkson Labs
Day Co
Diesel Chem Co
Essential Chems Co
Flexi-Liner Co
Glascote Products
Hammond Iron Works
Hukill Chem Corp
Kalghan & Hughes, Inc
J D Leonard & Assoc
Lorenz Chem Co
F H McGraw & Co
Midland Storage Inc
Oil & Chem Products, Inc
Ralph M Parsons Co
Penetone Co
Pfaudler Co
SAG Junction Terminal
S & S Soap Co
A J Sackett & Sons
Scher Bros
J E Sirrine Co
Spartan Chem Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Transit Tank Co
Van Waters & Rogers

STORAGE, LIQUID

Degen Oil & Chem Co
Globe Chem Co
Independent Chem Corp
E & F King & Co
►Peerless Oil & Chem Corp

J C Carlile Corp
Catalytic Construction Co
Chemo Puro Mfg Corp
Chicago Bridge & Iron Co
Essential Chems Co
Flexi-Liner Co
Franklin Oil & Gas Co
Glascote Products
General American Transportation Co
Hammond Iron Works
Hukill Chem Corp
Kalghan & Hughes, Inc
Lorenz Chem Co
Marine Inspection Engrs
F H McGraw & Co
Midland Storage, Inc
Oil & Chem Products, Inc
Ralph M Parsons Co
Penetone Co
Pfaudler Co
Plastic Applicators
SAG Junction Terminal
Werner G Smith
Solar Chicago
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
Transit Tank Co

STORAGE, OILS, VEGETABLE & FISH

Degen Oil & Chem Co

Chemo Puro Mfg Corp
Chicago Bridge & Iron Co
Essential Chems Co
Flexi-Liner Co
Franklin Oil & Gas Co
Hammond Iron Works
Kalghan & Hughes, Inc
Midland Storage, Inc
Oil & Chem Products, Inc
Plastic Applicators
SAG Junction Terminal
Werner G Smith
Solar Chicago
Transit Tank Co

STORAGE, PETROLEUM & CHEMICAL

American Oil & Supply Co
►Peerless Oil & Chem Corp
►Vitro Corp of America

Automotive Rubber Co
Catalytic Construction Co
Chemo Puro Mfg Corp
Chicago Bridge & Iron Works
Essential Chems Co
Franklin Oil & Gas Co
General American Transportation Co
Glascote Products
Hammond Iron Works
Kalghan & Hughes, Inc
Litvin Engrg Co
Lorenz Chem Co
Marine Inspection Engrs
Midland Storage, Inc
F H McGraw & Co
Oil & Chem Products, Inc
Ralph M Parsons Co
Penetone Co
Pfaudler Co
Plastic Applicators
SAG Junction Terminal
Werner G Smith
Solar Chicago
Stearns-Roger Mfg Co
Tellepsen Petro-Chem Constructors
Titlestad Corp
Transit Tank Co
Van Waters & Rogers

STORAGE TANK

R E Moyer, Inc
►Peerless Oil & Chem Corp

Automotive Rubber Co
Chemo Puro Mfg Corp
Chicago Bridge & Iron Works
Day Co
Doyle & Roth Mfg Co
Flexi-Liner Co
Franklin Oil & Gas Co
Galigher Co
Glascote Products
Hammond Iron Works
Hauser-Stander Tank Co
Kalghan & Hughes, Inc
Knapp Mills, Inc
Maurice A Knight Co
F H Langsenkamp Co
McDowell-Wellman
Oil & Chem Products, Inc
Pfaudler Co
Plastic Applicators
Werner G Smith
Solar Chicago
Transit Tank Co
Western-Knapp Engrg Co

SURVEYS, ECONOMIC

►Vitro Corp of America

Aries Assoc, Inc
Atlantic Research Corp
Barkley & Dexter Labs
Bechtel Corp
Bjorksten Research Labs
C F Braun & Co
Calkin & Bayley, Inc
Cartmell, Scott & Assoc
Catalytic Construction Co
Chemical Construction Corp
Chemical Economic Services
Chemical Mktg & Research Co
Commonwealth Engrg Co of Ohio
Frank L Crobaugh Co
DeBell & Richardson, Inc
Forter-Teichmann Co
Heyward-Robinson Co
Holmes & Narver, Inc
Industrial By-Products & Surplus Co Div
Jacobs Engrg Co
W Alec Jordan & Assoc
Kaiser Engrg Div
Kellogg-Bishop Assoc
J D Leonard & Assoc
Arthur D Little, Inc
Litvin Engrg Co
R B MacMullin Assoc
Chas T Main, Inc
McDowell-Wellman
John W McCutcheon
F H McGraw & Co
Arthur G McKee & Co
James P O'Donnell
Ralph M Parsons Co
Process Chem Specialties
Robinette Research Labs
R G Rowe & Assoc
Louis L Shapiro
Singmaster & Breyer
J E Sirrine Co
Skeist & Schwarz Labs
Marcus Sittenfield & Assoc
Foster D Snell, Inc
Southwestern Engrg Co
Tellepsen Petro-Chem Constructors
John I Thompson & Co
United Engrs & Constructors
Emerson Venable
Vitro Engrg Co
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co

SURVEYS, MARKETING

Anthony Engrg Co
Aries Assoc, Inc
Atlantic Research Corp
Barail Assoc
Bechtel Corp
Bjorksten Research Labs
Chas R Bragdon
C F Braun & Co
Calkin & Bayley, Inc
Cartmell, Scott & Assoc
Chemical Economic Services
Chemical Mktg & Research Co
Commonwealth Engrg Co of Ohio
Crippen Labs
Day & Zimmermann, Inc
DeBell & Richardson, Inc
Florida Chemists & Engrs
Ford, Bacon & Davis
Industrial By-Products & Surplus Co Div
Jacobs Engrg Co
Kaiser Engrg Div
Kellogg-Bishop Assoc
W Alec Jordan & Assoc
Lachat Biochem Co
Arthur D Little, Inc
F H McGraw & Co
Morse Labs
Process Chem Specialties
Robinette Research Labs
R G Rowe & Assoc
Louis L Shapiro
Skeist & Schwarz Labs
Foster D Snell, Inc
Southwestern Engrg Co
R Steckler Labs
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Van Waters & Rogers
Vulcan-Cincinnati, Inc
Truman B Wayne & Assoc
John M Weiss & Co
Wells Labs

SURVEYS, RADIOLOGICAL

►Vitro Corp of America

Atomic Research Lab
Isotopes Specialties Co
Arthur D Little, Inc
Nuclear-Chicago Corp
St John X-Ray Lab
Foster D Snell, Inc
Sam Tour & Co, Inc

SURVEYS, TECHNICAL

►Vitro Corp of America

Alchem
Vern E Alden Co
Anthony Engrg Co
Aries Assoc, Inc
Aries Labs, Inc
Atlantic Research Corp
Barail Assoc
Barkley & Dexter Labs
Bechtel Corp
Bennett-Rosendahl Co
Bjorksten Research Labs
Blaw-Knox Co, Chem Plants Div
Calkin & Bayley, Inc
Catalytic Construction Co
Chemical Construction Corp
Chemical Economic Service
Chemical Mktg & Research Co
Commonwealth Engrg Co of Ohio
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Ford, Bacon & Davis
Forter-Teichmann Co
Harris Labs
Heyward-Robinson Co
Holmes & Narver, Inc
Jacobs Engrg Co
Kaiser Engrg Div
M W Kellogg Co
Kellogg-Bishop Assoc
Lachat Biochem Co
Ledoux & Co
Leonard Construction Co
J D Leonard & Assoc
Arthur D Little, Inc
R B MacMullin Assoc
C L Mantell
James M Margolis
John W McCutcheon
F H McGraw & Co
Arthur G McKee & Co
James P O'Donnell
Ralph M Parsons Co
Plas-Tech Equipment Corp
Process Chem Specialties
Processes Research, Inc
Robinette Research Labs
R G Rowe & Assoc
Scientific Design Co
Singmaster & Breyer
Skeist & Schwarz Labs
Foster D Snell, Inc
Technical Enterprises
Tellepsen Petro-Chem Constructors
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Vulcan-Cincinnati, Inc
Harold Wainess & Assoc
Truman B Wayne & Assoc
Wisconsin Alumni Research Foundation

SURVEYS, WATER, INDUSTRIAL & SEWER POLLUTION

►Vitro Corp of America

Associated Analytical Labs
Barail Assoc
Bechtel Corp
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Ford, Bacon & Davis
Gibbs & Hill, Inc
Hagan Chems & Controls
Harris Labs
Holmes & Narver, Inc
Industrial By-Products & Surplus Co Div
Isotopes Specialties Co
Kaighin & Hughes, Inc
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Chas T Main, Inc
Metcalf & Eddy
Morse Labs
National Aluminate Co
National Diagnostic Labs
Ralph M Parsons Co
Processes Research, Inc
Ranney Method Water Supplies
R G Rowe & Assoc
Singmaster & Breyer
J E Sirrine Co
Foster D Snell, Inc
Sam Tour & Co
Truesdail Labs
Emerson Venable

SYNTHESIS, CUSTOM BIOCHEMICAL

Nease Chem Co

American Bio-Synthetics Corp
Bio-Rad Labs
Bjorksten Research Labs
Cleveland Chem Labs
Colburn Labs
Lachat Biochem Co
Arthur D Little, Inc
Milwaukee Research Institute Div
Pilot Chems, Inc
Schwarz Labs
Techniservice

SYNTHESIS, CUSTOM INORGANIC

J T Baker Chem Co
Chemical Affiliates
Nease Chem Co

Atlantic Research Corp
Bennett-Rosendahl Co
Bio-Rad Labs
Bjorksten Research Labs
Chemo Puro Mfg Corp
Crippen Labs
Essential Chems Co
Hydrocarbon Research Inc
Industrial By-Products & Surplus Co Div
Kaplop Labs
Medical Chem Corp
Research Chems
Rocky Mt Research
Southwestern Analytical Chems
Techniservice
Vulcan-Cincinnati, Inc
John M Weiss & Co

SYNTHESIS, CUSTOM ORGANIC

Arapahoe Chems, Inc
J T Baker Chem Co
Chemical Affiliates
Farchan Research Labs
Fine Organics, Inc
►Humphrey-Wilkinson, Inc
Nease Chem Co
Ultra Chem Works, Inc

(Continued)

SYNTHESIS, CUSTOM ORGANIC (continued)

American Bio-Chem Lab
American Bio-Synthetics Corp
Ames Labs
Atlantic Research Corp
Bio-Rad Labs
Bjorksten Research Labs
Chemo Puro Mfg Corp
Cleveland Chem Co
Colburn Labs
Crippen Labs
Essential Chems Co
Horizons, Inc
Hukill Chem Corp
Industrial By-Products & Surplus Co Div
Kaplop Labs
Krishell Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Medical Chem Corp
Milwaukee Research Institute Div
National Aluminate Co
Organics, Inc
Pierre Chem Co
Pilot Chems, Inc
Pias-Tech Equipment Corp
Robinette Research Labs
Rocky Mt Research
Sapon Labs
Scher Bros
Skeist & Schwarz Labs
Arthur F Smith Co
Foster D Snell, Inc
Southwestern Analytical Chems
Techniservice
Vulcan-Cincinnati, Inc
John M Weiss & Co
Winnebago Chem Service

SYNTHESIS, CUSTOM RADIOCHEMICAL

Atomic Research Lab
Bio-Rad Labs
Isotopes Specialties Co
Lachat Biochem Co
Schwarz Labs
Techniservice

ARAPAHOE TRADE MARK

INVITED!

For Prompt Attention

Confidential inquiries for the DEVELOPMENT AND PRODUCTION of fine organic compounds and intermediates (on an exclusive basis if desired).

We are especially well qualified for special operations via the useful, hazardous, anhydrous GRIGNARD REACTION. References to our financial and technical responsibility and to the security of your ideas here will be gladly supplied upon request.

In addition to our work as Custom Manufacturers, we are commercial producers of GRIGNARD REAGENTS . . . sell in bottle, can and drum lots. Get our DATA and prices!

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ARAPAHOE CHEMICALS, INC.
2800 PEARL STREET • BOULDER, COLORADO
PRODUCERS OF FINE ORGANIC CHEMICALS

T

TABLET MANUFACTURING

Bristol Labs
A-M-R Chem Co
Automotive Rubber Co
Barail Assoc
A E Halperin Co
Industrial By-Product & Surplus Co Div
Lannett Co
Livestock Chem Co
Panray Corp
Schieffelin & Co
Techniservice
Wisconsin Alumni Research Foundation

TANK CAR FACILITIES

Independent Chem Corp
►Peerless Oil & Chem Corp
Automotive Rubber Co
Chase Products Co
General American Transportation Corp
Knapp Mills, Inc
Lorenz Chem Co
SAG Junction Terminal

TANK REPAIRING

Automotive Rubber Co
Central Steel & Tank Co
Chicago Bridge & Iron Co
Flexi-Liner Co
Galigher Co
General American Transportation Corp
Glascote Products
Graver Tank & Mfg Co
Hammond Iron Works
Knapp Mills, Inc
McDowell-Wellman
Pfaudler Co
Plastic Applicators
Preco Chem Corp
Solar Chicago

TANNERS, CONSULTING

Florida Chemists & Engrs
United States Testing Co

TECHNOLOGY, MEDICAL

Associated Analytical Labs
B-R Analytical Research Labs
Barail Assoc
Crippen Labs
Diablo Labs
DiCyan & Brown
Food & Drug Research Labs
Hill Top Research Institute
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Maurry Biological Co
National Diagnostic Labs
Wells Labs

TECHNOLOGY, SANITARY (FOOD & KITCHEN INSPECTIONS)

Bonewitz Chem
Allied Analytical & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Barail Assoc
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hill Top Research Institute
Insect Control & Research, Inc
LaWall & Harrisson Research Labs
Leberco Labs
National Diagnostic Labs
N Y Produce Exchange, Bureau of Chemistry
Foster D Snell, Inc
Solvit Chem Co
Truesdail Labs
United States Testing Co
Harold Wainess & Assoc
Wells Labs

TERMINALS, TANK STORAGE

Independent Chem Corp
►Peerless Oil & Chem Corp
Transit Tank Co
Bechtel Corp
Chemo Puro Mfg Corp
Chicago Bridge & Iron Co
General American Transportation Corp
Hammond Iron Works
Jacobs Engrg Co
Kalghan & Hughes, Inc
F H McGraw & Co
Midland Storage, Inc
Oil & Chem Products, Inc
Ralph M Parsons Co
Penetone Co
SAG Junction Terminal
Werner G Smith
Stearns-Roger Mfg Co
Transit Tank Co
United States Testing Co

TESTING, ACCELERATED WEATHERING

American Oil & Supply Co
Allied Analytical & Research Labs
Anthony Engrg Co
Associated Testing Labs
Bjorksten Research Labs
CTL Inc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
Detroit Testing Lab
A W Dow, Inc
International Testing Labs
Lachat Biochem Co
Morse Labs
Northwest Labs
Paint Research Lab
Patzig Testing Labs
Smithers Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co

TESTING, AGRICULTURAL

Allied Analytical & Research Labs
American Bio-Chem Labs
Atlantic Research Corp
Calkin & Bayley, Inc
Crippen Labs
Frank L Crobaugh Co
Diablo Labs
Flordia Chemists & Engrs
Food & Drug Research Labs
Harris Labs
K B Howard Co
Insect Control & Research, Inc
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
Shankman Labs
Southwestern Labs
United States Testing Co
Wiley & Co
Wisconsin Alumni Research Foundation

TESTING, ANTISEPTICS

Allied Analytical & Research Labs
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Gar-Baker Labs
Harris Labs
Hill Top Research Institute
Lachat Biochem Co
LaWall & Harrisson Research Labs
Leberco Labs
National Diagnostic Labs
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

TESTING, BATCH & CONTINUOUS

Allied Analytical & Research Labs
Barail Assoc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Denver Equipment Co
Florida Chemists & Engrs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
Shankman Labs
Foster D Snell, Inc
Thayer Scale Corp
United States Testing Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

TESTING, CLINICAL

Allied Analytical & Research Labs
Associated Analytical Labs
B-R Analytical Research Labs
Barail Assoc
Frank L Crobaugh Co
Diablo Labs
DiCyan & Brown
Dorn & Co
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs
Hill Top Research Institute
LaWall & Harrisson Research Labs
Lachat Biochem Co
Arthur D Little, Inc
National Diagnostic Labs
Wells Labs
Wisconsin Alumni Research Foundation

TESTING, ELECTRICAL

Associated Testing Labs
Atlantic Research Crop
C T L, Inc
Colburn Labs
Comstock & Westcott, Inc
DeBell & Richardson, Inc
Detroit Testing Lab
Glascote Products
Walter Kidde & Co
Multi-Amp Corp
Plas-Tech Equipment Corp
Southwestern Labs
Technical Service, Inc
John I Thompson & Co
United States Testing Co

TESTING, ELECTRONIC

Associated Testing Labs
Atlantic Research Corp
Baird-Atomic, Inc
Barkley & Dexter Labs
DeBell & Richardson, Inc
Detroit Testing Lab
Electro-Physics Co
Walter Kidde & Co
M&C Nuclear, Inc
Sel-Rex Corp
Technical Service Inc
John I Thompson & Co
United States Testing Co

TESTING, ENVIRONMENTAL

American Bio-Chem Lab
Anthony Engrg Co
Associated Testing Labs
Atlantic Research Corp
Barail Assoc
C T L, Inc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Diablo Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs, Inc
Herron Testing Labs, Inc
Hicks Corp
International Testing Labs
Walter Kidde & Co
Lachat Biochem Co
Plas-Tech Equipment Co
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Technical Service Inc
John I Thompson & Co
Truesdail Labs
United States Testing Co
Wells Labs
Wisconsin Alumni Research Foundation

TESTING, FLUORESCENT PENETRANT

American Bio-Chem Lab
City Testing & Research Labs, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
International Testing Labs
Walter Kidde & Co
Ledoux & Co
Sam Tour & Co
United States Testing Co
Vulcan Mfg

TESTING, FUEL

Atlantic Research Corp
Bull & Roberts, Inc
Calkin & Bayley, Inc
Callery Chem Co
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
A W Dow, Inc
Florida Chemists & Engrs
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
Morse Labs
Patzig Testing Labs
Samuel P Sadtler & Son
Foster D Snell, Inc
Southwestern Labs
Truesdail Labs
United States Testing Co
Wiley & Co

TESTING, MAGNA FLUX

City Testing & Research Labs
Frank L Crobaugh Co
Glascote Products
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
Benj F Shaw Co
Sam Tour & Co
United States Testing Co
Vulcan Mfg

TESTING, MECHANICAL

Associated Testing Labs
Atlantic Research Corp
C T L, Inc
Calkin & Bayley, Inc
City Testing & Research Labs
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
Detroit Testing Lab
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
Patzig Testing Labs
Plas-Tech Equipment Corp
Southwestern Labs
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co

TESTING, METALS

Arcos Corp
Atlantic Research Corp
Baird-Atomic, Inc
Calkin & Bayley, Inc
City Testing & Research Labs
W B Coleman & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Herron Testing Labs, Inc
International Testing Labs
Jarrell-Ash Co
Walter Kidde & Co
Lachat Biochem Co
Ledoux & Co
Metcut Research Assoc, Inc
Morse Labs
National Research Corp
Northwest Labs
Patzig Testing Labs
Pfaudler Co Div
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Sperry Products
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co

TESTING, MILITARY SPECIFICATION

American Bio-Chem Lab
Arcos Corp
Associated Analytical Labs
Associated Testing Labs
Barail Assoc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs, Inc
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
Lachat Biochem Co
LaWall & Harrisson Research Labs
Ledoux & Co
Morse Labs
Northwest Labs
Paint Research Lab
Plas-Tech Equipment Corp
Smithers Labs
Foster D Snell, Inc
Southwestern Labs
Techniservice
Technical Service Inc
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Wells Labs

TESTING, MOTHPROOFING

Associated Analytical Labs
Calkin & Bayley, Inc
Insect Control & Research, Inc
Florida Chemists & Engrs
United States Testing Co
Wisconsin Alumni Research Foundation

TESTING, NON-DESTRUCTIVE

Barail Assoc
City Testing & Research Labs
W B Coleman & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Herron Testing Labs, Inc
International Testing Labs
Jarrell-Ash Co
Walter Kidde & Co
Ledoux & Co
Morse Labs
Paint Research Lab
Patzig Testing Labs
Plas-Tech Equipment Corp
St John X-Ray Lab
South Florida Test Service
Southwestern Labs
Sperry Products
Technical Service Inc
Sam Tour & Co
United States Testing Co
Vulcan Mfg

TESTING, PACKAGE

American Bio-Chem Lab
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Food & Drug Research Labs
Hinde & Dauch Div
International Testing Labs
Kellogg-Bishop Assoc
Lachat Biochem Co
National Diagnostic Labs
Plas-Tech Equipment Corp
Singa Chem Co
Foster D Snell, Inc
South Florida Test Service
Technical Service Inc
John I Thompson & Co
United States Testing Co
Wisconsin Alumni Research Foundation

TESTING, PAPER

Allied Analytical & Research Labs
American Bio-Chem Lab
Associated Analytical Labs
Calkin & Bayley, Inc
City Testing & Research Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
Food & Drug Research Labs
Hinde & Dauch Div
International Testing Labs
National Diagnostic Labs
Plas-Tech Equipment Corp
Robinette Research Labs
Samuel P Sadtler Son
Singa Chem Co
Foster D Snell, Inc
South Florida Test Service
John I Thompson & Co
Sam Tour & Co
United States Testing Co

TESTING, PETROLEUM & WAX

Allied Analytical & Research Labs
American Bio-Chem Lab
Bull & Roberts, Inc
Calkin & Bayley, Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
A W Dow, Inc
Florida Chemists & Engrs
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
N Y Produce Exchange
Samuel P Sadtler & Son
Foster D Snell, Inc
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable

TESTING, PHYSICAL, ELEVATED TEMPERATURE

Associated Testing Labs
Atlantic Research Corp
C T L, Inc
City Testing & Research Labs
W B Coleman & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
DeBell & Richardson, Inc
Detroit Testing Lab
Florida Chemists & Engrs
International Testing Labs
Walter Kidde & Co
Metcut Research Assoc, Inc
Plas-Tech Equipment Corp
Foster D Snell, Inc
Southwestern Labs
Sam Tour & Co
Truesdail Labs
United States Testing Co

TESTING, PSYCHOMETRIC

Barail Assoc
Frank L Crobaugh Co
Evans Research & Development Corp
Food & Drug Research Labs
Foster D Snell, Inc
United States Testing Co

TESTING, RUBBER

Anthony Engrg Co
Associated Analytic Labs
Atlantic Research Corp
Calkin & Bayley Inc
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
International Testing Labs
Patzig Testing Labs
Plas-Tech Equipment Corp
Smithers Labs
Foster D Snell, Inc
South Florida Test Service
Technical Service, Inc
Sam Tour & Co
United States Testing Co

See company directory for addresses

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TESTING, SENSORY PANEL

American Bio-Chem Lab
Barail Assoc
Crippen Labs
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Harris Labs, Inc
Hill Top Research Institute
Lachat Biochem Co
LaWall & Harrisson Research Labs
Arthur D Little, Inc
Samuel P Sadtler & Son
Foster D Snell, Inc
Truesdail Labs
United States Testing Co
Wisconsin Alumni Research Foundation

TESTING, SOAP

Allied Analytical & Research Labs
Associated Analytical Labs
Barail Assoc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Essential Chems Co
Florida Chemists & Engrs
Food & Drug Research Labs
Herron Testing Labs, Inc
International Testing Labs
Lachat Biochem Co
LaWall & Harrisson Research Labs
Morse Labs
National Diagnostic Labs
N Y Produce Exchange
Penetone Co
Research Testing Labs
Robinette Research Labs
Samuel P Sadtler & Son
Louis L Shapiro
Foster D Snell, Inc
Southwestern Labs
Techniservice
Truesdail Labs
United States Testing Co

TESTING, SPECIFICATIONS

American Bio-Chem Lab
Anthony Engrg Co
Associated Analytical Labs
Associated Testing Labs
Barail Assoc
Calkin & Bayley, Inc
City Testing & Research Labs
Colburn Labs
W B Coleman & Co
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
Diablo Labs
Florida Chemists & Engrs
Food & Drug Research Labs
Herron Testing Labs, Inc
International Testing Labs
Walter Kidde & Co
Lachat Biochem Co
Ledoux & Co
Metcut Research Assoc
N Y Produce Exchange
Northwest Labs
Paint Research Lab
Penetone Co
Pias-Tech Equipment Corp
Research Testing Labs

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Samuel P Sadtler & Son
Foster D Snell, Inc
Southwestern Labs
Technical Service, Inc
Techniservice
John I Thompson & Co
Sam Tour & Co
Truesdail Labs
United States Testing Co
Emerson Venable
Wells Labs

TESTING, STRESS ANALYSIS

C F Braun & Co
Comstock & Westcott, Inc
Crippen Labs
Frank L Crobaugh Co
Horizons, Inc
Walter Kidde & Co
Metcut Research Assoc
Morse Labs
Patzig Testing Labs, Inc
Pias-Tech Equipment Corp
St John X-Ray Lab
Foster D Snell, Inc
John I Thompson & Co
Sam Tour & Co
United States Testing Co

TESTING, TEXTILES

G L Bonwitt Labs
Calkin & Bayley, Inc
City Testing & Research Labs
Frank L Crobaugh Co
Detroit Testing Lab
Florida Chemists & Engrs
International Testing Labs
Walter Kidde & Co
Robinette Research Labs
Samuel P Sadtler & Son
Scher Bros
Shankman Labs
Singa Labs
Skeist & Schwarz Labs
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Technical Service, Inc
John I Thompson & Co
Sam Tour & Co
United States Testing Co
Wells Labs

TESTING, ULTRASONIC

Sperry Products, Inc

TESTING, WATERPROOFING

Anthony Engrg Co
G L Bonwitt Labs
Calkin & Bayley, Inc
City Testing & Research Labs
Crippen Labs
Frank L Crobaugh Co
Detroit Testing Lab
A W Dow, Inc
Florida Chemists & Engrs
International Testing Labs, Inc
Walter Kidde & Co
Patzig Testing Labs, Inc
Samuel P Sadtler & Son
Singa Chem Co
Foster D Snell, Inc
South Florida Test Service
Southwestern Labs
Technical Service, Inc
Textile Proofers, Inc
United States Testing Co

TESTING, WIND INFILTRATION

Detroit Testing Lab
Electrical Testing Labs
Northwest Labs
Southwestern Labs
United States Testing Co

TRANSLATING, TECHNICAL & CHEMICAL

Alchem
Barail Assoc
Bjorksten Research Labs
G L Bonwitt Labs
Calkin & Bayley, Inc
Chemical Mktg & Research Co
Chemical Translating Service
Carl Demrick
Delmar H Larsen
Ledoux & Co
Chas A Pfeiffenberger
Process Chem Specialties
Singa Chem Co
Skeist & Schwarz Labs
Techniservice

W

WASTE UTILIZATION

Barnebey-Cheney Co
Chemical Affiliates
Illinois Water Treatment Co
►Vitro Corp of America

Anthony Engrg Co
Barail Assoc
Paul Blum Co
Chemical Construction Co
Chemical & Engrg Assoc
Crippen Labs
Frank L Crobaugh Co
Dravo Corp
Evans Research & Development Corp
Florida Chemists & Engrs
Food & Drug Research Labs
Gibbs & Hill, Inc
Graver Water Conditioning Co
Industrial By-Products & Surplus Co Div
Lachat Biochem Co
Arthur D Little, Inc
Metcalf & Eddy
Milwaukee Research Institute Div
Morse Labs
Ralph M Parsons Co
Permutit Co
Pilot Engrg Co
Samuel P Sadtler & Son
Ernest Scott & Co
Skeist & Schwarz Labs
Foster D Snell, Inc
Solvents Recovery Service
Southwestern Engrg Co
Stearns-Roger Mfg Co
Tobey Chem Co
Truesdail Labs
Emerson Venable
Vulcan-Cincinnati, Inc
Wells Labs

WATER, DISTILLED

Associated Analytical Labs
W L Badger & Assoc
Barail Assoc
Chem-Pure Service Co
Jacobs Engrg Co
Metcalf & Eddy
National Diagnostic Labs
Process Plants Engrg Co
Singmaster & Breyer
Arthur F Smith Co
Southwestern Labs
Truesdail Labs
Vulcan-Cincinnati, Inc

WATER TREATMENT

American Oil & Supply Co
Barnebey-Cheney Co
Dearborn Chem Co
Illinois Water Treatment Co

Agava Products
American Water Softener Co
Ampion Corp
Arol Chem Products Co
Automotive Rubber Co
Barail Assoc
Bechtel Corp
Betz Labs
Bio-Rad Labs
Bull & Roberts, Inc
Chem-Pure Service Co
W B Coleman & Co
Crippen Labs
Dravo Corp
Everpure, Inc
Feedwaters, Inc
Florida Chemists & Engrs
Gibbs & Hill, Inc
Graver Water Conditioning Co
Hagan Chems & Controls
Hungerford & Terry
Hurst Labs
Infilco, Inc
Jacobs Engrg Co
Kalghan & Hughes
Kaiser Engrg Div
Knowles Assoc
Litvin Engrg Co
Chas T Main, Inc
Metcalf & Eddy
Mitchell & Koopman, Inc
Morse Labs
National Aluminate Corp
Oakite Products
Patzig Testing Labs
Penfield Mfg Co
Permutit Co
R G Rowe & Assoc
J E Sirrine Co
Southwestern Labs
Stearns-Rogers Mfg Co
Truesdail Labs
Water Service Labs

WEIGHERS

CDC Control Service
Frank L Crobaugh Co
International Testing Labs
Ledoux & Co
McDowell-Wellman
Southwestern Labs
Thayer Scale Co
United States Testing Co
Wiley & Co

WEIGHT DETERMINATION, MOLECULAR

Clark Microanalytical Labs
Colburn Labs
Crippen Labs
Arthur F Smith Co
Foster D Snell, Inc
Truesdail Labs
United States Testing Co

X, Y, Z

X-RAY & GAMMA-RAY EXAMINATION

Applied Radiation Corp
Baird Atomic, Inc
Barkley & Dexter Labs
Crippen Labs
Frank L Crobaugh Co
Knapp Mills, Inc
Ledoux & Co
St Eloi Corp
St John X-Ray Lab
Benj F Shaw Co
Southwestern Labs
Sam Tour & Co
United States Testing Co

X-RAYS, INDUSTRIAL

Applied Radiation Corp
Atlantic Research Corp
Barkley & Dexter Labs
City Testing & Research Labs
Crippen Labs
Frank L Crobaugh Co
International Testing Labs
Jarrell-Ash Co
Portable X-Ray Service
St John X-Ray Lab
Benj F Shaw Co
Southwestern Labs
Sam Tour & Co
United States Testing Co
Vulcan Mfg

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Chemical Week

BUYERS' GUIDE ISSUE for 1960

Equipment

COMPANY DIRECTORY ..... p. 609
Addresses and telephone numbers for home office and U. S. branch or district offices for all companies included in the Equipment section.

CATALOG SECTION ..... p. 629
Catalog advertisements of equipment manufacturers. Ads give company product lines.

EQUIPMENT, CONTAINERS AND SUPPLIES DIRECTORY ..... p. 639
Major manufacturers and suppliers of over 2,000 equipment items, including heavy equipment, instruments, containers, construction materials, materials-handling and many others.

USED EQUIPMENT DIRECTORY ..... p. 715
Advertisement giving source of supply for used equipment.

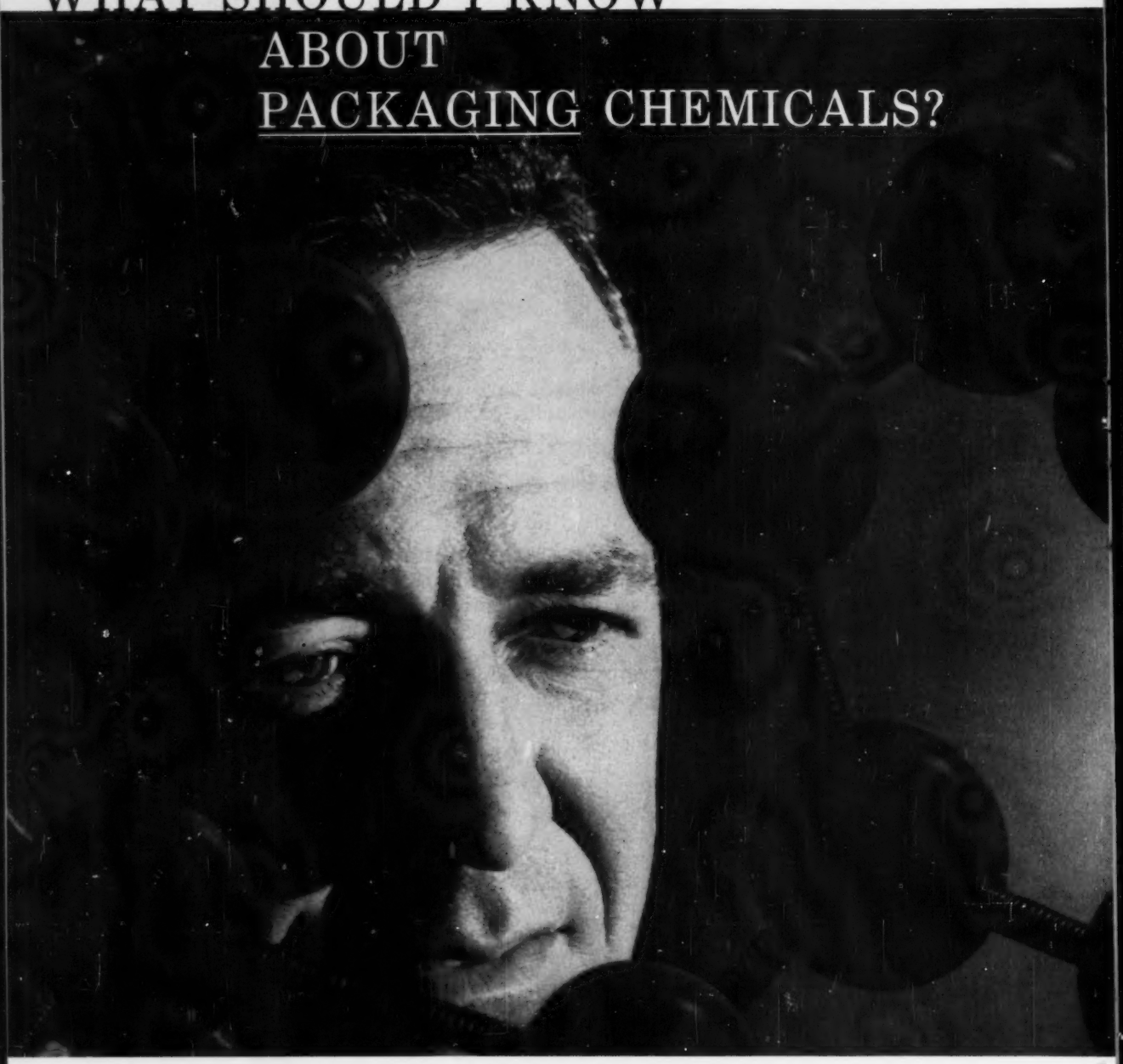
TRADENAMES ..... p. 716

Editorial policy for listings in the Equipment section

1. *Manufacturers' listings*—Companies are entitled to free and unlimited listings of all those products they manufacture.
2. *Nonmanufacturers' listings*—Distributors, manufacturer's agents and importers are limited to 40 listings for each one-sixth page of advertising space purchased.
3. Firms were requested to list only products available for sale to industry, not those manufactured for captive use.

See page 2 for explanation of symbols and "How to use the Buyers' Guide Issue"

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EQUIPMENT COMPANY DIRECTORY

A

Paul O Abbe, Inc, 381 Center Ave, Little Falls, N J Cliffside 6-4242

ABBE ENGRG CO, 620 M Graybar Bldg, N Y 17 Oregon 9-7636
Baltimore 1, Md, 634 Wicklow Rd Saratoga 7-3546
(Boston) Newtonville 60, Mass, 246 Walnut St LaSalle 7-6397
Cincinnati 3, Ohio, 204 Union Trust Bldg Parkway 6-6183
(Detroit) Livonia, Mich, 12201 Merriman Rd, Kenwood 1-1785

Abbeon Supply Co, 179-15 Jamaica Ave, Jamaica 32, L I, N Y Axtel 7-5600

Acco Casting Div, American Chain & Cable Co, Inc, Reading, Pa

►ACETO CHEM CO, INC,
40-40C Lawrence St, Flushing 54, NY Independence 1-4100
N Hollywood, Cal, 6850 Tujunga Ave Stanley 7-9913

Acme Industries, Inc, 600 N Mechanic St, Jackson, Mich State 2-8233
Chicago, Ill, 230 E Ohio St Mohawk 4-6124
Houston, Tex, 2706 Richmond Ave Jackson 6-2611
N Y, 801 2 Ave Murray Hill 9-5490
San Francisco, Cal, 1485 Bayshore Blvd Juniper 6-8680

Acme Protection Equipment Co, 1299C Kalamazoo St, S Haven, Mich 1293

R P Adams Co, Inc, 447 E Park Dr, Buffalo 17, N Y Victoria 2608

Adamson United Co, 731 Carroll St, Akron 4, Ohio Franklin 6-9191

Adelphi Paint & Color Works, Inc, 86-00 Dumont Ave, Ozone Park, NY VI 5-6600

Advance Foundry Co, 107 Seminary Ave, Dayton 3, Ohio CL 3-4148

Wm Ainsworth & Sons, Inc, 2151 Lawrence St, Denver 5, Col Alpine 5-1723

Air Products, Inc, Box 538, Allentown, Pa
Industrial & Medical Gas Div, 2801 Mitchell Ave, Allentown, Pa SW 7-3361
Edgewood, Md, PO Box 972 1000, Ext 2-1139
Emmaus, Pa, 733 W Broad St Woodring 5-9001
Forest Park, Ill, 1421 S Circle Ave Esterbrook 8-8242
Granite City, Ill, 2204 Monroe St Glenview 2-8100
Iselin, N J, Oak Tree Rd Metuchen: Liberty 8-4600
LIC, NY, 13-11 44 St Stilwell 4-6562
Parkersburg, W Va, 520 Camden St Hudson 5-5587
(Phila) Collingdale, Pa, Oak Lane & B & O RR Ludlow 3-6900
Pittsburgh, Pa, Rm 614, Grant Bldg Grant 1-2618
South Bend, Ind, 912-914 S Lafayette Blvd Atlantic 8-4641
Process Equipment Div, PO Box 538, Allentown, Pa Express 5-3311
See also separate listing by division:
K G Equipment Co

Airetool Mfg Co, 300 S Center St, Springfield, Ohio Fairfax 3-4988
Baton Rouge 6, La, 433 Bellewood Dr 4-4744
Chicago 19, Ill, 8416 S Vernon Ave Vincennes 6-2784
Houston 6, Tex, 2046 Banks St Jackson 3-5926
N Y 7, 50 Church St Barclay 7-6655
(Phila) Prospect Park, Pa, 650 Maryland Ave Lehigh 2-5700
Tulsa 4, Okla, 2603 E 3 St Madison 6-8852

Airmatic Valve, Inc, 7313 CW Associate Ave, Cleveland 9, Ohio Woodbine 1-5320

Air-Maze Corp, 25000 Miles Rd, Cleveland 28, Ohio Montrose 2-8000
(Boston) Waban 68, Mass, 1463 Beacon St Lasell 7-4771
Buffalo 2, N Y, 126 Pearl St Madison 4901
Chicago 26, Ill, 6459 N Sheridan Rd, Rm 205 Briargate 4-5318
Los Angeles 65, Cal, 3423 Verdugo Rd Clinton 6-2191
(Phila) Devon, Pa, 237 Lancaster Ave Murray 8-1402
St Paul 14, Minn, 2395 University Ave Midway 5-9121
Tulsa 5, Okla, 2821 S Florence Ave 72-1261

Aeroquip Corp, 300 S East Ave, Jackson, Mich St 2-0361

Ajax Flexible Coupling Co, Inc, Portage & English St, Westfield, NY Fairview 6-3121

(The) Akron Metallic Gasket Co, 150 N Union St, Akron 9, Ohio JE 5-7184

Alco Products, Inc, Dept 910, Box 1065, Schenectady 1, NY
Atlanta, Ga, 1430 Peachtree St, NW Trinity 5-9489
Chicago, Ill, 909 McCormick Bldg, Wabash 2-6234
Cleveland 13, Ohio, Terminal Tower Bldg Cherry 1-1953
Houston 19, Tex, Bank of Southwest Bldg Capital 2-9076
Lafayette, La, Bldg X-20, Heymann Oil Center Center 4-8394
Los Angeles 22, Cal, 6363 Corsair St Raymond 3-8741
N Y 8, 30 Church St Cortland 7-8660
Odessa, Tex, P O Box 1052 7-3112
Phila, Pa, 1617 Pennsylvania Blvd Locust 4-5288
Pittsburgh, Pa, Greentree & Cochran Rd Locust 3-1400
St Louis 16, Mo, 4050 Bingham Ave Flanders 1-8810
San Francisco, Cal, 235 Montgomery St Douglass 2-7393
Tulsa 1, Okla, 3216 E 21 St Webster 2-3561
Washington 6, D C, 910 17 St, N W District 7-3544

(The) Aldrich Pump Co, Ft of Pine St, Allentown, Pa Hemlock 4-7277

Alemite Div, Stewart-Warner Corp, 1826 Diversey Pkwy, Chicago, 14, Ill Lakeview 5-6000

Allegheny Ludlum Steel Corp, Oliver Bldg, Pittsburgh 22, Pa Court 1-5300
Birmingham 5, Ala, 3515 3 Ave S Fairfax 2-0548
Buffalo 14, N Y, 2960 Main St Atwater 4355
Chicago 32, Ill, 4747 S Kedzie Ave Lafayette 3-8650
Cincinnati 2, Ohio, 1109-10 Carew Tower Bldg Parkway 1-8180
Cleveland 3, Ohio, 1593 E 41 St Utah 1-0500
Dallas 6, Tex, 5646 Milton Emerson 1-2891
Dayton 4, Ohio, 1270 McCook Ave Baldwin 2-8386
Detroit 20, Mich, 1500 Jarvis Ave Jordan 4-6900
Indianapolis 1, Ind, 1801 E DeLoss St Melrose 2-6521
Kansas City 8, Mo, 2201 Grand Ave Victor 2-3473
Los Angeles 22, Cal, 5333 E Slauson Ave Raymond 3-1181
Milwaukee 12, Wis, 3800 N 1 St Woodruff 4-3500
N Y 17, 150 E 42 St Murray Hill 2-0369
Phila 3, Pa, 1617 Pennsylvania Blvd Rittenhouse 6-4130
Portland 5, Ore, 1220 S W Morrison St Capital 8-2692
St Louis 8, Mo, 3615 Olive Ave Jefferson 3-6700
San Francisco 7, Cal, 36 Berry St Garfield 1-1804
Seattle 1, Wash, Henry Stuart Bldg Mutual 2-2180
Springfield 1, Mass, 469-473 Taylor St Republic 4-4996
Syracuse 2, N Y, 114 S Warren St Granite 4-4829
Washington 5, D C, 1001 15 St N W Executive 3-4232

Allen-Sherman-Hoff Co, 259 E Lancaster Ave, Wynnewood, Pa Midway 2-8400
N Y 16, 271 Madison Ave Murray Hill 5-9158

►ALLIED CHEM CORP, SEMET-SOLVAY ENGRG DIV,
40 Rector St, NY 6 Hanover 2-7300

Allied Steel Products Corp, 100 N 8 St, Kenilworth, NJ BR 6-2626

Allied Witan Co, Inc, 12500 Bellaire Rd, P O Box 8725, Cleveland 35, Ohio Winton 1-2800

Louis Allis Co, 427 E Stewart St, Milwaukee 1, Wis Humboldt 1-6000
Branches in all principal cities

Allis-Chalmers Mfg Co, 1150 S 70 St, Milwaukee 1, Wis Spring 4-3600
Branches in all principal cities

Alloy Flange & Fittings Corp, 222 Eagle St, Bklyn 22, N Y Evergreen 3-2725

Alloy Products Corp, 1045 Perkins Ave, Waukesha, Wisc Liberty 2-6604

Alloy Steel Products Co, 1345 W Elizabeth Ave, Linden, N J Wabash 5-4600
Atlanta, Ga, 76 4 St N W Trinity 4-4582
(Boston) Wollaston, Mass, PO Box 173 Capital 7-4345
Buffalo, N Y, 3053 Main St Atwater 4830
Chicago, Ill, 332 S Michigan Blvd Harrison 7-8841
Houston, Tex, P O Box 6704 Jackson 8-5581
Los Angeles, Cal, 5408 Beverly Blvd Raymond 3-4250
N Y C, 350 5 Ave, Rm 6504 Longacre 5-0346
Pittsburgh, Pa, 310 Investment Bldg Grant 1-8592
Port Washington, N Y, P O Box 350 7-1220
St Louis 22, Mo 11001 Manchester Yorktown 5-3778
San Francisco, Cal, 24 California St Yukon 6-6286
Wilmington, Del, 226 W 9 St Olympia 2-1477

Alpha Plastics, Inc, 78 Okner Pkwy, Livingston, N J Wyman 2-6400

Alsop Engrg Corp, Milldale, Conn Southington: MA 8-9661
NY 11, 213 W 14 St Chelsea 2-3943

Alten Foundry & Mach Works, Inc, 226 W Wheeling St, Lancaster 2, Ohio Olive 3-1131

Aluminum Co of America, 707 Alcoa Bldg, Pittsburgh 19, Pa Atlantic 1-4545
Albany 7, N Y, 1263 Natl Savings Bank Bldg 4-0146
Atlanta 9, Ga, 1615 Peachtree St, N E Trinity 5-7441
Boston 16, Mass, 20 Providence St, Park Sq Hancock 6-0480
Buffalo 7, N Y, 1880 Elmwood Ave Riverside 9700
Chicago 11, Ill, McGraw-Hill Bldg, 520 N Michigan Ave Delaware 7-8181
Cincinnati 6, Ohio, 2331 Victory Pkwy Capitol 1-7000
Cleveland 13, Ohio, 1450 Terminal Tower Cherry 1-6880
Dallas 2, Tex, 301 Thomas Bldg Riverside 1-6291
Detroit 2, Mich, 610 New Center Bldg Trinity 1-8100
Hartford 3, Conn, 517 Capitol Bldg Jackson 5-2191
Kansas City 5, Mo, 2300 Power & Light Bldg Victor 2-2822
Los Angeles 17, Cal, 1145 Wilshire Blvd Madison 6-0241
Milwaukee 3, Wis, 505 Bock Bldg, 2040 W Wisconsin Ave Division 2-7110
Minneapolis 2, Minn, 1060 Northwestern Bank Bldg Federal 8-7581
Newark 2, N J, 744 Broad St Market 4-8800
N Y 17, 230 Park Ave Murray Hill 6-8046
Phila, Pa, 1515 Fidelity-Philadelphia Trust Bldg Kingsley 5-0250
St Louis 8, Mo, 10th floor, Continental Bldg Franklin 1-6700
San Francisco 4, Cal, 2509 Equitable Life Bldg Yukon 6-6484
Seattle 1, Wash, 1411 4 Ave Bldg Seneca 4040
Toledo 4, Ohio, 1801 Owens-Illinois Bldg Cherry 8-3511
Washington 6, D C, 1200 Ring Bldg District 7-9400

Alvey Conveyor Mfg Co, 9301 Olive St Rd, St Louis 24, Mo Wydown 3-4700

Amercoat Corp, 4809 Firestone Blvd, S Gate, Cal Lorain 4-2581
Evanston, Ill, 921 Pitner Ave Davis 8-0250
Chicago: Longbeach 1-2940
Houston, Tex, 6530 Supply Row Walnut 3-2878
Jacksonville, Fla, 2404 Dennis St Elgin 5-2693
Kenilworth, N J, 360 Carnegie Ave Chestnut 5-9110
NYC: Digby 9-0114

American Brass Co, 414 Meadow St, Waterbury, Conn Plaza 4-1121
Branches in all principal cities

American Can Co, 100 Park Ave, N Y 17 Murray Hill 6-4900
Chicago 4, Ill, 200 S Michigan Ave Harrison 7-3880
New Orleans 19, La, P O Box 7162 Magnolia 7546
San Francisco 4, Cal, 111 Sutter St Underhill 1-4272

American Car & Foundry, Div A C F Industries, Inc, 750 3 Ave, NYC Yukon 6-8600
Berwick, Pa Berwick 3611
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8300
Cleveland 13, Ohio Terminal Tower Bldg Cherry 1-3921
Huntington 5, W Va, P O Box 547 Jackson 3-0133
Phila 3, Pa, 742 Transportation Bldg, 6 Penn Center Plaza Rittenhouse 6-5610
St Louis 1, Mo, 705 Olive St Bldg Chestnut 1-2745
San Francisco 4, Cal, 111 Sutter St, Rm 529 Douglas 2-1143
Washington 6, DC, 1625 K St NW Republic 7-1870

American Cast Iron Pipe Co, 2930 16 St N, Birmingham, Ala AL 1-8121

American Chain & Cable Co, Inc,
See separate listings by divisions:
Acco Casting Div
American Chain Div
Helicoid Gage Div
Page Steel & Wire Div
R-P & C Valve Div
Wilson Mechanical Instrument Div
Wright Hoist Div

American Chain Div, American Chain & Cable Co, Inc, 454 E Princess St, York, Pa

American Felt Co, 6 Glenville Rd, Glenville, Conn Jefferson 1-8700
Atlanta 13, Ga, 305 Techwood Dr NW Jackson 2-3648
Boston 10, Mass, 211 Congress St Hancock 6-6158
Boynton Beach, Fla, Box 482, Mission Hill Rd 3163

(Continued)

American Felt Co, (continued)
Chicago 7, Ill, 847 W Jackson Blvd Canal 6-4222
Cleveland 14, Ohio, 1845 E 9 St Main 1-3978
Dallas 4, Tex, 3209 McKinney Riverside 2-7928
Detroit 7, Mich, 3000 E Michigan Ave Loraine 7-7010
Greenville, S C, 405 Order Cedar 2-7691
Los Angeles 21, Cal, 763 E 14 St Richmond 9-6121
N Y 1, 350 5 Ave Chickering 4-8768
Phila 6, Pa, 435 Chestnut St Walnut 5-7899
Portland 14, Ore, 930 SE Oak St Belmont 5-6649
Rochester 4, NY, 82 St Paul St Locust 2-3162
St Louis 3, Mo, 1901 Pine St Central 1-7120
San Francisco, Cal, 1256 Howard St Underhill 1-2850
Seattle 9, Wash, 404 Dexter Ave Main 2-6545

AMERICAN FLANGE & MFG CO, INC, 30 Rockefeller Plaza, N Y 20 Plaza 7-2200
Chicago 44, Ill, 825 S Kilpatrick Ave MA 6-1040
Linden, N J, 1100 W Blanche St HU 6-8222
Niles, Ohio, 643 Henry St Olympic 2-5811

American Gas & Chems, Inc, 120 East End Ave, N Y 28 Lehigh 5-7336

American Gas Furnace Co, Lafayette & Spring St, Elizabeth, N J Elizabeth 2-2120

American Hard Rubber Co, Div Amerace Corp, 200 E 42 St, N Y 17 Yukon 6-8282
Akron 9, Ohio, Box 510 Republic 3-2241
Butler, N J, Ace Rd Butler 9-1000
Chicago 4, Ill, 208 S LaSalle St Franklin 2-3193

American Heat Reclaiming Corp, 1270 6 Ave, N Y 20 Circle 7-8462

American Instrument Co, Inc, 8030 Georgia Ave, Silver Spring, Md Juniper 9-1727
Atlanta, Ga, 632 Healey Bldg JA 5-0238
Bedford, Mass, 9 Clark Rd CR 4-0014
Chicago, Ill, 5322 W Lake St AU 7-9757
Cleveland, Ohio, P O Box 7816 LA 4-2530
Dallas, Tex, 3906 Lemmon Ave LA 6-7433
Denver, Col, 529 E Ohio St PE 3-5373
Houston, Tex, 4101 San Jacinto JA 8-7954
Los Angeles, Cal, 7579 Melrose Ave WE 8-2448
Murray Hill, N J, P O Box 307 CR 7-3443
N Y C, 30 Church St CO 7-8374
Phila, Pa, 705 Western Savings Fund Bldg PE 5-9165
Pittsburgh, Pa, P O Box 267 Allison Pk ST 1-1404
Rochester, N Y, 38 Scio St BA 5-0698
San Francisco, Cal, 1485 Bay Shore Blvd JU 7-1689

American LaFrance Div, Sterling Precision Corp, 100 E LaFrance St, Elmira N Y Regent 4-8181
Atlanta 3, Ga, 181-3 Spring St N W Jackson 1-1558
Boise, Idaho, 503 S 16 St
Boston 34, Mass, 28 Brighton Ave Stadium 2-9440
Chicago 11, Ill, 445 N Lake Shore Dr Superior 7-1292
Cleveland 14, Ohio, 1371 E 18 St Main 1-7057
Dallas 8, Tex, 2709 N Beckley Ave Riverside 2-8506
Denver 2, Col, 1741-3 Arapahoe St Keystone 4-5850
Detroit 38, Mich, 15811 Livernois Ave Tyler 6-5460
Houston 3, Tex, 11 N Palmer St Fairfax 3-0161
Kansas City 8, Mo, 2908 Oak St Westport 1-4009
L I C 1, N Y, 32-20 38 Ave Stillwell 6-5030
Los Angeles 11, Cal, 2113 S San Pedro St Richmond 7-7385
New Orleans, La, 2339 Tchoupitoulas St
Phila 8, Pa, 401 N Broad St Walnut 2-2772
Phoenix, Ariz, 1809 E Indian School Rd
Pittsburgh 19, Pa, 40 Terminal Way Hemlock 1-0700
Salt Lake City 2, Utah, 257 E 2 S St
St Louis 12, Mo, 6044 Delmar Blvd
San Francisco 3, Cal, 24 12 St Hemlock 1-1811
Seattle 22, Wash, 516 E Pike St
Spokane 4, Wash, 930 W 2 Ave Riverside 7529
(Washington, D C) Silver Spring, Md, P O Box 310 Juniper 5-2922

American Mach & Metals, Inc, East Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y 7, Woolworth Bldg, 233 Bway Rector 2-3822
Springfield 3, Mass, 292 Worthington State 5-5460
Washington 5, D C, 1333 G St NW Republic 7-3875

See separate listings by divisions:
DeBothezat Fans Div
Filtration Engrs Div
Filtration Fabrics Div
Niagara Filters Div
Tolhurst Centrifugals Div
United States Gauge Div

American-Marsh Pumps, Inc, 60 Capital Ave N E, Battle Creek, Mich Woodward 8-6131
N Y 17, 420 Lexington Ave Murray Hill 4-6265

American Optical Co, Safety Products Div, 90 Mechanic St, Southbridge, Mass Porter 4-3211
Atlanta 9, Ga, 524 Plaster Ave, N E Trinity 3-1074
Birmingham, Ala, 2115 1 Ave N Fairfax 2-2548
Boston, Mass, 110 Tremont St Liberty 2-7850
Cincinnati, Ohio, 126-8 E 6 St Garfield 1-1991
Cleveland, Ohio, 2108 Payne Ave Cherry 1-3936
Dallas, Tex, 711 S St Paul St Riverside 7-8361
Denver, Col, 644 Delaware St Alpine 5-6661
Franklin Pk, Ill, 10129 Pacific Ave Gladstone 1-0080
Hollywood, Cal, 1433 Cole Pl 3-4161
Houston, Tex, 603 McGowen St Jackson 6-1731
Kansas City, Mo, 1005 Walnut St Harrison 1-1025
Phila, Pa, 66 N Juniper St Locust 4-5719
Pittsburgh, Pa, 526 Pennsylvania Ave Atlantic 1-9513
Richmond, Va, 221 Broad Grace Arcade Bldg Milton 3-2721
St Louis, Mo, 1704 Washington Blvd Central 1-1803
San Francisco, Cal, 27 Kearney St Sutter 1-4363
Seattle, Wash, 312 Dexter Ave, N

(The) American Pulley Co, 4200 Wissahic Ave, Phila 29, Pa BA 5-4400

American Pulverizer Co, 1249 Macklind Ave, St Louis 10, Mo Sterling 1-6100

American Smelting & Refining Co, 120 Broadway, N Y 5 Rector 2-9500

American-Standard Industrial Div, Detroit 32, Mich WE 3-9665

See also separate listings by division:
Norwood Controls

American Sterilizer Co, 2423 W 23 St, Erie, Pa 6-2021
Branches in all principal cities

American Water Softener Co, Inc, 4 St & Lehigh Ave, Phila 33, Pa Regent 9-3195

American Well Works, 150 N Broadway, Aurora, Ill 7-4618

Ames Iron Works, Inc, 25 E Second St, Oswego, N Y 920

Ampco Metal, Inc, 1730 S 38 St, Milwaukee 46, Wis Mitchell 5-3750
Burbank, Cal, 30 E Burbank Blvd Thornwall 8-5504
Chicago 46, Ill, 6124 N Milwaukee Ave Spring 4-0100
Cincinnati 37, Ohio, Roselawn Center Bldg, Section & Reading Rds Jefferson 1-0261
Cleveland 13, Ohio, 506 United Office Bldg 25 & Loraine Ave Prospect 1-1341
(Dallas) Garland, Tex, 630 S Jupiter Rd Broadway 6-6181
Detroit 1, Mich, 4612 Woodward Ave Temple 2-2540
Englewood, N J, 16-22 Palisade Ave Lowell 7-0832
(Hartford) Wethersfield 9, Conn, Professional Bldg, 65 Wells Rd Jackson 9-1094
Indianapolis 4, Ind, 230 S Pennsylvania St Melrose 8-0284
Milwaukee 46, Wis, 1745 S 38 St Mitchell 5-3750
(Phila) Upper Darby Pa, 29 St Theatre Bldg, Garrett Rd & Market St Flanders 2-5991
Pittsburgh 35, Pa, 211 Nelson Ave Penhurst 1-2232

Anaconda Metal Hose Div, (The) American Brass Co, 698 S Main St, Waterbury 20, Conn. Plaza 4-1121
Branches in all principal cities

Analytical Measurements, Inc, 585 Main St, Chatham, N J Mercury 5-7474

Anchor Coupling Co, Inc, 342 N 4 St, Libertyville, Ill 2-1360
Dallas, Tex, 2100 Irving Blvd Riverside 1-6144
Plymouth, Mich, 277 Amelia St Glenview 3-5050

Anchor Engrg Co, 29-09 Bridge Plaza N, LIC 1, N Y Stillwell 4-7824

Anchor Hocking Glass Corp, 230 Glass Ave, Lancaster, Ohio Olive 3-3131
Atlanta 9, Ga, 1430 W Peachtree St, N W Trinity 5-8994
Baltimore 2, Md, 10 Light St Mulberry 5-0924
Cambridge 42, Mass, 238 Main St University 4-9242
Chicago 54, Ill, 1572 Merchandise Mart Delaware 7-4200
Cincinnati 2, Ohio, 617 Vine St Garfield 1-1122
Cleveland 14, Ohio, 925 Euclid Ave Superior 1-9170
Denver 5, Colo, 3101 Walnut St Tabor 5-8798
Detroit 26, Mich, 220 Bagley Ave Woodward 3-8686
Fresno 1, Cal, 928 Belmont Ave Amherst 6-4842
Houston 1, Tex, 1002 Washington Ave Capitol 4-2928
Indianapolis 8, Ind, 2214 N Meridan St Walnut 4-6268
Jacksonville 7, Fla, 1408 Prudential Bldg Exbrook 8-4566
Los Angeles 22, Cal, 4855 E 52 Pl Ludlow 1-7111
Louisville 2, Ky, 455 S 4 St Juniper 2-2471
N Y 17, 415 Madison Ave Templeton 8-9300
Phila 7, Pa, 12 S 12 St Market 7-6820
Pittsburgh 19, Pa, 430 7 Ave Express 1-1730
Raleigh, N C, 617 Hillsboro St Temple 3-8084
Rochester 4, N Y, 328 Main St E Baker 5-2432
St Louis 5, Mo, 8000 Bonhomme-Clayton Parkview 7-2297
San Francisco 11, Cal, 340 Market St Yukon 2-2134
Seattle 4, Wash, 1000 4 Ave S Elliott 3444

Anderson Bros Mfg Co, 1907 Kishwaukee St, Rockford, Ill 4-4611

(The) V D Anderson Co, Div International Basic Economy Corp, 1935 W 96 St, Cleveland 2, Ohio OL 1-1900

H REEVE ANGEL & CO, INC, 9 Bridewell Pl, Clifton, N J

(The) Annin Co, 1040 S Vail Ave, Montebello, Cal Raymond 3-9351

ANSUL CHEM CO, 1 Stanton St, Marinette, Wis Redwood 5-7411
Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-1382
Burlingame, Cal, 1450 Chapin Ave Diamond 2-2805
Chicago 17, Ill, 8933 Stony Island Ave Regent 1-0650
Cleveland 15, Ohio, 1048 Hanna Bldg, Euclid Ave & E 14 St Cherry 1-1388
Detroit, Mich, 13325 Puritan Ave Broadway 3-6880
Houston 23, Tex, P O Box 18445 Capitol 7-4159
Kansas City, Mo, 3303 Gilham Rd, P O Box 4755 Jefferson 1616
Los Angeles 22, Cal, 6470 Corvette St Raymond 3-8931
Milwaukee 2, Wis, 715 N Van Buren St, Suite 730 Broadway 6-8651
Mountainside, N J, 1376 Route 22 Adams 2-4100
N Y C: Murray Hill 2-9128
Oakland 6, Cal, 702 E 14 St Twinoaks 3-9361
Paoli, Pa, 24 State Rd, P O Box 306 4550

Anthracite Equipment Corp, Anthracite Institute Bldg, Wilkes-Barre, Pa Valley 2-4142

Applied Radiation Corp, 2404 N Main St, Walnut Creek, Cal YE 5-2250

Applied Research Labs, 3717 Park Pl, P O Box 1710, Glendale 5, Cal Chapman 5-5524
Chicago 32, Ill, 2454 W 38 St Lafayette 3-7088
Dearborn 8, Mich, 20200 W Outer Dr Logan 5-6633
Glen Rock, N J, 36 Cumberland Rd Gilbert 4-1717
Houston 35, Tex, 11103 Atwell Dr Gypsy 4-0359
Pittsburgh, Pa, 3215 Longwood Dr Tuxedo 2-5977

(The) Arco Co, 7301 Bessemer Ave, Cleveland 27, Ohio MI 1-1170

Arcos Corp, 1500 S 50 St, Phila 43, Pa SA 7-1500
Allston, Boston 34, Mass, 28 Travis St Stadium 2-7155
Chicago 8, Ill, 1500 S Western Ave Monroe 6-1866
Los Angeles 12, Cal, 123 S Santa Fe Ave Madison 6-9438

Richard M Armstrong Co, P O Box 566, W Chester, Pa Owen 6-1041

Armstrong Cork Co, W Liberty St, Lancaster, Pa Express 7-0611
(Boston) Needham Heights 94, Mass, 200 1 Ave
Chicago 34, Ill, 6535 W Irving Pk Rd
Cincinnati 37, Ohio, 1057 Meta Dr
Cleveland 14, Ohio, 2975 Superior Ave
Detroit 26, Mich, 321 Lafayette Ave W, Free Press Bldg
N Y 16, 295 Fifth Ave
Phila 2, Pa, 15 & Chestnut Sts, Robinson Bldg
St Louis 10, Mo, 1919 Hampton Ave

Armstrong Mach Works, 816 Maple St, Three Rivers, Mich 3-1815

Arrow Tank Co, Inc, 16 Barnett St, Buffalo 15, N Y Taylor 7200

Artisan Metal Products, Inc, 63 Pond St, Waltham 54, Mass Twinbrook 3-6800

Associated Cooperage Industries of America, Inc, 408 Olive St, St Louis 2, Mo Chestnut 1-6272

Associated Valve Co (Marine & Industrial Products Co) Dept CW, 337 W Walnut St, N Wales, Pa Oxbow 9-4485

Atkomatic Valve Co, Inc, 545 W Abbott St, Indianapolis 25, Ind Melrose 8-6545

Atlas Valve Co, 280 South St, Newark 5, N J MI 2-2464

Aurora Pump Div, N Y Air Brake Co, 690 Loucks St, Aurora, Ill 2-4381
N Y 17, 230 Park Ave Lexington 2-1900

Autoclave Engrs Sales Corp, 2930 W 22 St, Erie, Pa 3-7724
Newark, N J, Bldg #1, Newark Airport, Rm 234 Market 3-4355
Oak Park, Ill, 1103 Westgate Ave Euclid 3-3929
Pittsburgh 35, Pa, 110 Valeview Dr Sycamore 3-1701

Automatic Switch Co, 54 P Hanover Rd Florham Park, N J Frontier 7-4600
NYC: Digby 4-3765
Erlton, N J, 912 Township Lane Haddonfield 9-0300
Phila: MA 7-0617
Los Angeles 22, Cal, 1233 Goodrich Blvd Raymond 3-3669
W Newton 65, Mass, 1447 Washington St Lasell 7-5700

Automotive Rubber Co Inc, 12550 Beech Rd Detroit 39, Mich Kenwood 2-3000
Chicago, Ill, 549 Randolph Dearborn 2-4337
(Cleveland) Chagrin Falls, Ohio, 19 N Franklin Churchill 7-6100
Indianapolis 20, Ind, 5425 N College Clifford 5-8741
N Y 36, 55 W 42 St Chickering 4-6237

B

B I F Industries, Inc, 345 Harris Ave, Providence, R I Gaspee 1-4302
Albany, N Y, 11 N Pearl St 3-8839
Baton Rouge, La, 256 Peachtree Blvd at Florida Dickens 3-4451
Buffalo, N Y, 2302 Main St Parkside 1825
Chicago, Ill, 6206 N Milwaukee Ave Rodney 3-4030
Dallas, Tex, 4519 N Central Expwy Lakeside 6-8631
Hartford, Conn, 5 Hillside Ave Jackson 9-9545
Houston 6, Tex, 2435 N Blvd Jackson 6-1335
Huntington, W Va, 1050 5 Ave Jackson 2-8651
Islington, Mass, 9 School St Davis 6-5690
Kansas City 15, Mo, 2108 W 75 St Endicott 2-3361
Los Angeles, Cal, 5430 Jillson St Raymond 3-1235
Milwaukee 8, Wis, 1348 N 37 St West 3-1991
NYC, 20 Vessey St Cortlandt 7-0117
Phila, Pa, 402 W Chelten Ave Victor 8-5100
Pittsburgh, Pa, 314 Allegheny River Blvd Oakmont 1814

San Francisco, Cal, 1766 Locust St Yellowstone 5-6350
Washington 11, D C, 6230 3 St NW Tuckerman 2-9026
W Lafayette, Ind, 100 S St Enterprise 1019
(The) Babcock & Wilcox Co, 161 E 42 St, N Y 17 Murray Hill 7-6700
Atomic Energy Div & Boiler Div, 161 E 42 St, N Y 17 Murray Hill 7-6700
Atlanta 3, Ga, Candler Bldg JA 2-5387
Boston 10 Mass, 140 Federal St Liberty 2-6833
Charlotte, N C, 1100 Wachovia Bank Bldg, 129 Trade St ED 3-0131
Chicago 3, Ill, 105 S LaSalle St Central 6-6546
Cincinnati 2, Ohio, Carew Tower Main 1-2152
Cleveland 13, Ohio, Rm 1367, Illuminating Bldg SU 1-9212
Dallas 1, Tex, 1701 Mercantile Dallas Bldg Riverside 4155
Denver 4, Col, 660 Bannock St Acoma 2-8484
Detroit 26, Mich, Ford Bldg Woodward 1-3144
El Paso, Tex, Electric Bldg 3-5501
Houston, Tex, 3484 W 12 St UN 9-3711
Kansas City 6, Mo, 1012 Baltimore Ave Baltimore 1-8747
Los Angeles 17, Cal, 1111 Wilshire Blvd Madison 6-6851
Minneapolis 2, Minn, Northwest Bank Bldg Federal 6-1641
New Orleans 7, La, Whitney Bank Bldg Canal 8382
Phila 2, Pa, 3 Penn Center Plaza Locust 4-2678
Phoenix 1, Ariz, Luhrs Bldg Alpine 2-8391
Pittsburgh, Pa, Koppers Bldg Atlantic 1-0672
Portland 4, Ore, Failing Bldg Capitol 8-9684
St Louis 3, Mo, Shell Bldg Chestnut 1-5249
San Francisco 5, Cal, 450 Mission St Garfield 1-3484
Seattle 4, Wash, Smith Tower Main 1496
Syracuse, N Y, State Tower Bldg HA 2-8171
Refractories Div, 161 E 42 St, N Y 17 Murray Hill 7-6700
Atlanta 3, Ga, Candler Bldg Jackson 2-5387
Augusta, Ga, News Bldg 2-7561
Baltimore 1, Md, 516 S Eutaw St Lexington 9-0787
Boston 10, Mass, 140 Federal St Liberty 2-6833
Buffalo 2, N Y, 342 Delaware Ave Cleveland 3828
Chicago 3, Ill, 105 S LaSalle St Central 6-6546
Cincinnati 2, Ohio, 307 E 4 St Main 1-7350
Cleveland 14, Ohio, Natl City Bank Bldg Superior 1-4381
Dallas 1, Tex, 1701 Mercantile Dallas Bldg Riverside 4155
Denver 4, Col, 660 Bannock St Acoma 2-8484
Detroit 26, Mich, Ford Bldg Woodward 1-3144
Houston 2, Tex, C & I Life Bldg Capitol 8-1441
Los Angeles 17, Cal, 1111 Wilshire Blvd Madison 6-6851
New Orleans 7, La, Whitney Bank Bldg Canal 8382
N Y 6, 135 Cedar St BA 7-6622
Phila 2, Pa, 3 Penn Center Plaza LO 4-2678
Phoenix 1, Ariz, Luhrs Bldg Alpine 2-8391
Pittsburgh 19, Pa, Koppers Bldg Atlantic 1-0672
St Louis 3, Mo, Shell Bldg Chestnut 1-5249
Salt Lake City, Utah, 40 Richards St Davis 2-5891
San Francisco 5, Cal, 450 Mission St Garfield 1-3484
Syracuse 2, N Y, State Tower Bldg HA 2-8171
Tubular Products Div, 161 E 42 St, N Y 17 MU 7-6700
Atlanta 8, Ga, 830 W Peachtree St, N W TR 6-0751
Beaver Falls, Pa, 712 11 St 4300
(Boston) Wellesley 81, Mass, 66 Center St CE 5-9500
Chicago 3, Ill, 105 S LaSalle St CE 6-6546
Cincinnati 6, Ohio, 2230 Victory Pkwy Capitol 1-2530
Cleveland 14, Ohio, Natl City Bank Bldg Superior 1-8777
Detroit 26, Mich, Ford Bldg Woodward 1-3144
Houston 19, Tex, 2134 Welch St Jackson 9-3521
Los Angeles 17, Cal, 1111 Wilshire Blvd MA 6-6851
Milwaukee 15, Wis, 2430 S 28 St Mitchell 5-4530
N Y 16, 22 E 40 St Murray Hill 9-6212
Phila 2, Pa, 2222 Packard Bldg Locust 4-0332
St Louis 3, Mo, 3615 Olive St Jefferson 5-7150
San Francisco 3, Cal, 785 Market St Yukon 6-3911
Syracuse, N Y, 731 James St GR 4-2425
Semon Bache & Co, 636 Greenwich St, N Y 14 Watkins 4-2120
Chicago 5, Ill, 608 S Dearborn St HA 7-4243
Badger Mfg Co, 230 Bent St, Cambridge, Mass University 4-1100
Bailey Meter Co, 1050 Ivanhoe Rd, Cleveland 10, Ohio Glenville 1-4600
Atlanta 9, Ga, 1145 Peachtree St Trinity 5-1322
Boston 10, Mass, 230 Congress St Hancock 6-4082
Buffalo 3, N Y, 307 Ellicott Square Bldg Madison 2088
Charlotte 2, N C, 205 S Church St Edison 4-9161
Chicago 4, Ill, 53 W Jackson Blvd Harrison 7-7324
Cincinnati 6, Ohio, 2330 Victory Pkwy Avon 1-0301
Cleveland 10, Ohio, 14901 Woodworth Rd Glenville 1-2307
Dallas 5, Tex. 6615 Snider Plaza Emerson 8-0013
Denver 20, Col, 1506 Kearney St East 2-7745
Detroit 19, Mich, 18928 W McNichols Rd Kenwood 7-9150
Houston 5, Tex, 2480 Times Blvd Jackson 6-1628
Kansas City 14, Mo, 7335 Broadway Hiland 4-4600
(Los Angeles) Monterey Park, Cal, 816 S Atlantic Blvd Cumberland 3-1187
Memphis 11, Tenn, 3355 Poplar Ave Fairfax 4-9592
Milwaukee 16, Wis, 9137 W Lisbon Ave Hopkins 1-1310
New Orleans 24, La, 6270 General Diaz St Audubon 7809
N Y 7, 150 E 43 St Yukon 6-8770
(Phila) Bala-Cynwyd, Pa, 29 Bala Ave Mohawk 4-3283
Pittsburgh 20, Pa, 875 Greentree Rd
St Louis 17, Mo, 8924 Manchester Ave Woodlawn 2-5532
St Paul 14, Minn, 2395 University Ave Midway 5-2524
San Francisco 5, Cal, 55 New Montgomery St Sutter 1-0926
Schenectady 5, N Y, 207 State St Franklin 4-7991
Seattle 22, Wash, 200 Broadway Main 4-7094
Baird-Atomic, Inc, 33 University Rd, Cambridge 38, Mass University 4-7420
Birmingham, Mich, 1712 Winthrop Lane Jordan 4-5784
Dallas 6, Tex, 4924 Greenville Ave Emerson 1-6081
Gardena, Cal, 2312 W Redondo Beach Blvd Faculty 1-4466
Richmond, Ill, 15 Hill Rd 3871
Sandusky, Ohio, 620 Jay St Main 5-7910
Baker Perkins, Inc, 1000 Hess St, Saginaw, Mich Pleasant 2-4121
Baldwin-Hill Co, 500 Breunig Ave, Trenton 2, N J Export 6-4571
Chicago 5, Ill, 600 S Michigan Ave Harrison 7-0885
Houston, Texas, 4101 San Jacinto Jackson 4-4611
Huntington, Indiana, 701 N Bway Huntington 124
N Y 36, 500 5 Ave Bryant 9-3996
Temple Tex, 702 E French St Prospect 3-2192
Ballymore Co, Lincoln & Garfield Aves, West Chester, Pa Owen 6-3250
Barber-Coleman Co, 1700 Rock St, Rockford, Ill Woodland 8-6833
Branches in all principal cities
Barber-Greene Co, 400 N Highland Ave, Aurora, Ill
Atlanta, Ga, 195 Peachtree St Trinity 4-6238
Chicago 6, Ill, 9 S Clinton St State 2-5923
Dallas 6, Tex, 4515 Prentice St Emerson 8-0244
Minneapolis, Minn, 5605 Lyndale Ave S Taylor 2-9550
Needham Hts 95, Mass, 57 Crawford St Hillcrest 4-6920
N Y 17, 441 Lexington Ave Murray Hill 7-7848
Orlando, Fla. 711 Magnolia Ave Cherry 1-4752
San Mateo, Cal, 2191 El Camino Real Fireside 5-1679
Syracuse 2, N Y, 218 Harrison St Harrison 2-2991
Washington 14, D C, 7720 Wisconsin Oliver 4-2441
Whittier, Cal, 1402 W Hadley St Oxford 9-1951
Barksdale Valves, 5125 Alcoa Ave, Los Angeles 58, Cal Ludlow 9-6181
Abington, Pa, 1219 Old York Rd Turner 7-2955
Chicago 44, Ill, 4736 W Madison St Austin 7-5110
(Neptune) Shark River Hills, N J, 410 Morrisey Rd Oldfield 9-1066
San Francisco, Cal, Rm 209, Exec Acft Terminal, International Airport Juno 3-0162
Wethersfield, Conn, 82 Collier Rd Jackson 9-5391
BARNEBEY-CHENEY CO, Cassady & 8 Ave, Columbus 19, Ohio Clearbrook 8-9501
Los Angeles 11, Cal, 2800 S Hooper Ave Adams 3-4101
San Antonio 9, Tex, 4002 Broadway Taylor 4-1301
Barnstead Still & Sterilizer Co, 135 Lanesville Terr, Boston 31, Mass JA 4-3100
Chattanooga, Tenn 6-5863
Chicago, Ill Mulberry 5-8180
Cleveland, Ohio Academy 6-6622
Johnson City, Tenn 3113
Los Angeles, Cal Ryan 1-9373
N Y C Kingsbridge 8-1557
Phila, Pa Locust 8-1796
San Francisco, Cal Templebar 2-5391
Barold Div, National Lead Co, 2404 Danville St, P O Box 1675, Houston, Tex JA 4-6381
Baughman Mfg Co, Inc, Shipman Rd, Jerseyville, Ill 900
Bausch & Lomb Optical Co, 68660 St Paul St
Rochester 2, N Y Locust 2-3000
Atlanta, Ga, 78 Marietta St N W Jackson 5-0791
Boston 16, Mass, 110 Tremont St Hubbard 2-3520
Chicago 6, Ill, 740 W Washington Blvd State 2-9232
Dearborn 8, Mich, 20200 Wouter Dr Logan 1-8860
Los Angeles 14, Cal, 314 W 6 St Tucker 1401
N Y 19, 730 5 Ave Circle 7-5400
Phila 3, Pa, 1814 Chestnut St Rittenhouse 6-0831
San Francisco 2, Cal, 20 Jones St Underhill 3-1580
Seattle 1, Wash, 326 4 & Pike Bldg Main 0265
Washington 5, D C, 1324 Eye St N E Republic 7-1818
Beach-Russ Co, 620 Graybar Bldg, N Y 17 OR 9-7636
Akron 9, Ohio, 850 High St Hemlock 4-4181
Baltimore 1, Md, 400 Morris Bldg Saratoga 7-3546
Cleveland 15, Ohio, 2036 E 22 St Cherry 1-1171
Glenview, Ill, 1749 George Court 4-5170
Los Angeles, 16, Cal, 4408 W Jefferson Blvd Republic 1-4173
Phila 2, Pa, 713 Commercial Trust Bldg Rittenhouse 6-8141
Pittsburgh 19, Pa, 1251 Union Trust Bldg Atlantic 1-3854
St Louis 8, Mo, 3863 W Pine Blvd Jefferson 5-3700
San Francisco 24, Cal, 1485 Bayshore Blvd Juniper 4-7748
Schenectady, N Y, 126 Van Guysling Ave Franklin 4-3101
Beacon Machy, Inc, 31 & Tudor Sts, POB 188A, E St Louis, Ill Bridge 1-1077
John Bean Div, Food Machy & Corp, 1305 S Cedar St, Lansing 4, Mich IV 4-9471
San Jose, Cal, 1115 Coleman Ave CY 4-8124
Morris Bean & Co, Hyde Rd, Yellow Springs, Ohio Rockwell 7-7303
Beckman Instruments, Inc, 2500 Fullerton Rd, Fullerton, Cal Owen 7-1771
Berkeley Div, 2200 Wright Ave, Richmond, Cal Landscape 6-7730
Helipot Div, 2500 Fullerton Rd, Fullerton Cal Trojan 1-4848
Mountainside, N J, US Hwy 22 at Summit Rd Adams 2-7600
Scientific & Process Instruments Div, 2500 Fullerton Rd, Fullerton, Cal
Bethesda, Md, 7924 Wisconsin Ave Oliver 6-1644
Buffalo, N Y, 3053 Main St University 8531
Chicago 41, Ill, 4914 W Belmont Ave Pensacola 6-5270
Cincinnati, O, 1717 Section Rd, Rm B-9 Roselawn Bldg Redwood 1-5111
Cleveland 2, Ohio, 8905 Lake Ave Olympic 1-5424
Houston 6, Tex, 2710 Danville St Jackson 6-1221
Mountainside, N J, US Hwy 22 at Summit Rd Adams 2-7600
Richmond, Cal, 2400 Wright Ave LA 6-7730
Spinco Div, 1117 California Ave, Palo Alto, Cal Davenport 6-1970
Bethesda, Md, 7924A Wisconsin Ave Oliver 6-1644
Chicago, Ill, 4914 W Belmont Ave Kildare 5-1972
Houston, Tex, 2712 Danville St Jackson 6-1221
Mountainside, N J, U S Hwy 22 at Summit Rd Adams 2-5750
Systems Div, 325 N Mueller St, Anaheim, Cal Prospect 4-5430
Bethesda 14, Md, 7924A Wisconsin Ave Oliver 6-1644
Cincinnati, O, 1717 Section Rd, Rm B-9 Roselawn Bldg Redwood 1-5111
Houston 6, Tex, 2710 Danville St Jackson 6-1221
Mountainside, N J, U S Hwy 22 at Summit Rd Westfield 2-7600
Palo Alto, Cal, 1117 California Davenport 6-5415
Beckman & Whitley, Inc, 959 San Carlos Ave, San Carlos, Cal Lytell 3-7824
Carl N Beetle Plastics Corp, 198 Airport Rd, Fall River, Mass Osborne 7-9464
Bell & Gossett Co, 8200 N Austin, Morton Grove, Ill OR 3-3700
Beiray Chem Co Inc, 216 E 70 St, N Y 21 BU 8-3790
Belt Corp, Orient, Ohio Trinity 7-4357
Bemis Bro Bag Co, 408-J Pine St, St Louis 2, Mo CH 1-0900
Baltimore 10, Md, 312-A Wyndhurst Ave Tuxedo 9-2035
Boise, Idaho, 204 McCarty Bldg 2-2192
Boston 9, Mass, 40 Central St Lafayette 3-6650
Bklyn 1, N Y, 26 Court St Main 4-5050
Buffalo 11, N Y, 711 Northland Ave Taylor 3500
Charlotte 2, N C, 1100 Johnston Bldg ED 2-1780
Chicago 3, Ill, 120 S LaSalle St Central 6-0703
Cleveland 13, Ohio, 2012 W 25 St Tower 1-0917
Denver 2, Col, 426 Guaranty Bank Bldg TA 5-6348
Detroit 27, Mich, 12736 Fenkell University 3-7074
Houston 10, Tex, 2002 Lyons Ave Capital 5-1621
Indianapolis 7, Ind, 1940 Barth Ave State 4-2411
Kansas City 1, Mo, 925 Wyoming St Victor 2-0144
Memphis 2, Tenn, 1975 Latham St WH 8-5591
Minneapolis 15, Minn, 600 S 4 St Federal 8-8831
New Orleans 12, La, 330 Notre Dame St Tulane 8361
N Y 17, 60 E 42 St Murray Hill 7-8840
Norfolk 8, Va, 1037 W 26 St Madison 2-6643
Oklahoma City 2, Okla, 502 Commerce Exchange Bldg Central 2-1348
Omaha 8, Neb, 618 S 11 St Atlantic 2711
Phoenix, Ariz, 2202 W McDowell Rd Alpine 2-2222
St Louis 2, Mo, 601 S 4 St Main 1-5070
Salina, Kan, 730 N 9 St TA 3-3719
Salt Lake City 1, Utah, 1101 Walker Bank Bldg Davis 2-5591
San Francisco 26, Cal, 1000 Sansome St Garfield 1-2383
Seattle 4, Wash, 65 Atlantic St Elliot 0660
Vancouver, Wash, 1401 W 26 St Oxford 4-1523
Wichita 14, Kan, 13 & Wabash St Hobart 4-4321
Wilmington, Cal, 920 E Pacific Coast TE 5-3111
Bendix Aviation Corp (Cincinnati Div), 3130 Wasson Rd, Cincinnati 8, Ohio Elmhurst 1-2323
Glendale, Cal, 615 Solway St Citrus 4-1829
Hackensack, N J, 449 Sutton Ave DI 3-3860
Royal Oak, Mich, 1409 Royal St Lincoln 3-3307
See also separate listing by division:
Scintilla Div
Bethlehem Foundry & Mach Co, 225 W 2 St Bethlehem, Pa University 7-4605
Bethlehem Steel Co, Bethlehem, Pa UN 7-2424
Better Containers Mfg Co, 2648 W Madison St, Chicago 12, Ill Nevada 8-4826
James G Biddle Co, 1316 Arch St, Phila 7, Pa Locust 4-1620
Binder Cooperage Co, Water & Dickinson Sts, Phila 47, Pa Howard 7-2500
Bin-Dicator Co, 13946 Kercheval Ave, Detroit 15, Mich Valley 2-6952
Bingham Pump Co, 2800 N W Front Ave, Portland 10, Ore Capital 2-9571
Boston, Mass, 201 Devonshire St Hancock 6-0300
Chicago, Ill, 407 S Dearborn St Webster 9-4591
Cleveland 24, Ohio, 5767 Mayfield Rd Hillcrest 2-6440

(Continued)

BINGHAM PUMP CO (continued)
Los Angeles, Cal, 1709 W 8 St Hubbard 3-1520
N Y C, 420 Lexington Ave Lexington 2-8104
St Louis, Mo, 2533 Salem Ave Woodland 1-2083
San Francisco, Cal, 662 Russ Bldg Sutter 1-3612
Seattle, Wash, 1402 3 Ave Main 4-8474
Bio-Rad Labs, 1253 S 32 St, Richmond, Cal Beacon 4-4130
Bird Mach Co S Walpole, Mass Montrose 8-0400
Atlanta 9, Ga, 1430 W Peachtree St, NW Trinity 5-2473
Evanston, Ill, 603 Main St Greenleaf 5-4428
Portland 4, Ore, 319 SW Washington St Capitol 8-5539
J Bishop & Co Platinum Works, E King St, Malvern, Pa Niagra 4-3100
(The) Bishopric Products Co, 4413 Este Ave, Cincinnati, Ohio KI 1-5520
Black, Sivalls & Bryson, Inc, 7500 E 12 St, Kansas City 26, Mo BE 1-7200
Buffalo, N Y, 3176 Main St Parkside 0830
Chicago, Ill, 221 N LaSalle St Dearborn 2-6355
Corpus Christi, Tex, 240 Wilson Bldg TU 3-6722
Dallas, Tex, 1405 Texaco Bldg Riverside 5138
Denver, Col, 434 Continental Oil Bldg AC 2-2525
Detroit, Mich, 18954 James Couzens Hwy UN 4-1012
El Paso, Tex, P O Box 1602 Keystone 3-4240
Houston, Tex, 11515 S Main, Box 20115 MA 3-0493
Los Angeles, Cal, 759 N Highland Ave WE 1-1755
New Orleans, La, 302 Civic Center Bldg TU 8459
N Y C, 48 W 48 St CO 5-0004
Odessa, Tex, E Hwy 80, Box 3352 FE 2-4092
Oklahoma City, Okla, 2131 Westwood Blvd ME 2-4431
San Francisco, Cal, 1485 Bay Shore Dr Delaware 3-6833
Tulsa, Okla, 302 N Cincinnati, Box 1529 Gibson 7-8441
Wayne, Pa, 21-23 West Ave, Box 351 Murray 8-3920
Blackmer Pump Co, 1809 Century Ave S W, Grand Rapids 9, Mich Cherry 1-1611
Chicago 5, Ill, 407 S Dearborn St Harrison 7-4005
Columbus, Ohio, 4049 Beechbank Rd Belmont 1-1116
Dallas 2, Tex, 5523 Dyer St Emerson 1-1918
N Y 17, 441 Lexington Ave Murray Hill 2-8648
(Phila) Springfield, Pa, P O Box, 194 Kingswood 3-4114
San Francisco 5, Cal, 605 3 St Yukon 2-3223
Blaco Mfg Co, 6541 Euclid Ave, Cleveland 3, Ohio EX 1-0497
Blaw-Knox Co, 300 6 Ave, Pittsburgh 22, Pa
See separate listings by divisions:
Buflovak Equipment Div
Copes-Vulcan Div
S Blickman, Inc, 536 Gregory Ave, Weehawken, N J Union 3-0800
Boardman Co, Mfg Div, 1401 SW 11 St, P O Box 1152 Oklahoma City, Okla Melrose 4-5434
Tulsa, Okla, 3419 Sand Springs Rd Gibson 7-1098
Bodinson Mfg Co, 2401 Bayshore Blvd, San Francisco 24, Cal Juniper 5-9641
BONNOT CO, 724 Mulberry Rd SE, Canton 7, O GL 4-6171
►**(THE) BORDEN CHEM CO**, 436 E Gutierrez St, P O Box 1589, Santa Barbara, Cal Woodland 3134
N Andover, Mass, 1 Clark St Murdock 7131
Borg-Warner Industrial Cranes, 1536 S Paulina St Chicago 8, Ill Monroe 6-1350
Alton, Ill, 2603 State St 2-8275
Birmingham, Ala, Suite 208, Towne House Fairfax 3-1669
Bloomfield, N J, 600 Bloomfield Ave Pilgrim 8-0011
Detroit 19, Mich, 23914 Grand River Kenwood 7-4220
Borg-Warner Mechanical Seals, P O Box 2017 Terminal Annex, Los Angeles 54, Cal Ludlow 7-6171
Baton Rouge, La, P O Box 389 Dickens 3-9250
Beaumont, Tex, P O Box 5161 TW 2-2895
Chicago 5, Ill, 407 S Dearborn St, Rm 1060 Harrison 7-2375
Cleveland 14, Ohio, 716 Society for Savings Bldg Superior 1-5287
Greenville, S C, 201 Stokes Bldg, 314 E Coffee St 5-7820
Houston 11, Tex, 6247 Navigation Blvd Walnut 6-8321
Los Angeles, Cal, 2300 E Vernon Ave Ludlow 7-6171
N Y 36, 580 5 Ave, Rm 510 Plaza 7-0400
Phila 2, Pa, 1828 Lewis Tower Bldg, 225 S 15 St Pennypacker 5-4712
Pittsburgh 19, Pa, 704 Law & Finance Bldg, 429 4 Ave Express 1-0462
San Francisco 4, Cal, 369 Pine St Sutter 1-5812
Tulsa 20, Okla, 822 E 6 St, Rm 204 Luther 7-6675
Bowen Engrg, Inc, N Branch 23, N J RA 5-3232
C W Brabender Instruments, Inc, 51 E Wesley St, S Hackensack, N J DI 3-8425
Brady Conveyors Corp, 4244 Dempster St, Skokie, Ill OR 4-2311
Branson Instruments, Inc (and Branson Ultrasonic Corp), 37 Brown House Rd, Stamford Conn Davis 4-6721
Studio City, Cal, 12438 Ventura Blvd Stanley 7-9407
Bridgeport Brass Co, 30 Grand St, Bridgeport 2, Conn Edison 9-8673
Branches in all principal cities
(The) Bristol Co, P O Box 1700 CWBG, Waterbury 20, Conn Plaza 6-4451
Branches in all principal cities
Brook Motor Corp, 3302-04 W Peterson Ave, Chicago 45, Ill Independence 3-6464
Brookfield Engrg Labs, Inc, 240 Cushing St, Stoughton, Mass Fieldbrook 4-4310
Brooks Rotameter Co, 407 W Vine St, Hatfield, Pa Ulysses 5-5174
N Y 17, 225 E 46 Plaza 3-4628
Bros, Inc, 1057 10 Ave S E, Minneapolis 14, Minn FR 1-5921
Nutley, N J, 80 A Centre St North 1-1188
BROSITES MACH CO, INC, 50 Church St, N Y 7 Digby 9-3600
BROSITES PRODUCTS CORP, 15 Church St, N Y 7 Digby 9-3600
Brown Boveri Corp, 19 Rector St, N Y 6 Digby 4-3990
Dallas, Tex, 1118 Exchange Bank Bldg, 100 Exchange Park N Fleetwood 2-4061
Portland 4, Ore, Executive Bldg, 811 SW 6 Ave Capital 3-7234
Brown Fintube Co, 300 Huron St, Elyria, Ohio Fairfax 3-3293
Brown Instruments Div, Minneapolis-Honeywell Regulator Co, 4493 Wayne & Windrim Aves, Phila 44, Pa Davenport 4-8300
Branches in all principal cities
Browne-Morse Co, 110 E Broadway Ave, Muskegon, Mich 33-621
Bryant Industrial Products Corp, 17700 Miles Ave, Cleveland 28, Ohio Montrose 2-8800
Buffalo Hammer Mill Corp, 1256 McKinley Pkwy, Buffalo 18, N Y Fairview 1200
Buffalo Meter Co, Inc, 2917 Main St, Buffalo 14, N Y Parkside 9800
Buflovak Equipment Div, Blaw-Knox Co, 1579 Fillmore Ave, Buffalo 11, N Y Fillmore 2100
Birmingham 3, Ala, Brown-Marx Bldg Fairfax 4-7661
Chicago 3, Ill, 36 S Wabash Ave State 2-0430
Haddon Hts, N J, Blackhorse Pike & High St Lincoln 7-3500
Houston 6, Tex, 3402 Mercer St Jackson 2-3157
Burgess Battery Co, Div Servel Inc, Ft of Exchange St, Freeport, Ill Adams 2-2161
Chicago 2, Ill, 4003 W Madison Nevada 2-2771
Los Angeles 21, Cal, 1855 Industrial St MA 8-9141
N Y 11, 76 9 Ave Chelsea 2-2270
F L Burt Co, 571 7 St, San Francisco 3, Cal Klondike 2-2020
Robert Busse & Co, Inc, 64 E 8 St, N Y 3 GR 5-8783
Butler Mfg Co, 7400 E 13 St, Kansas City, Mo BE 1-7400
Birmingham, Ala State 5-5181
Galesburg, Ill Dickens 2-6121
Houston, Tex Idlewood 3-2421
Minneapolis, Minn Federal 3-8111
Richmond, Cal Beacon 2-4932
A M Byers, Clark Bldg, Pittsburgh 22, Pa Atlantic 1-8110
Atlanta 3, Ga, 716 Mortgage Guarantee Bldg Jackson 5-4500
Boston 16, Mass, 200 Berkeley St, Rm 2410 Liberty 2-0917
Chicago 3, Ill, 135 S LaSalle St Central 6-0429
Houston 2, Tex, 1048 Mellie Esperson Bldg Capitol 5-3526
N Y 17, 100 E 42 St Yukon 6-5330
Phila 2, Pa, 1120 Girard Trust Bldg Locust 7-1711
Pittsburgh 22, Pa, 1609 Clark Bldg Atlantic 1-8110
St Louis 5, Mo, 8000 Bonhomme Ave Parkview 7-3809
San Francisco 4, Cal, 1256 Russ Bldg Yukon 2-6760
Washington 4, D C, 934 Munsey Bldg Executive 3-7440

C

Cambridge Filter Corp, 728 E Erie Blvd, Syracuse 1, N Y Granite 5-1608
Cambridge Wire Cloth Co, Cambridge, Md Cambridge 1033
Atlanta, Ga, 76 4 St NW Trinity 2-1442
Bellaire, Tex, 5208 Willow Ave Houston: Mohawk 4-2765
Chicago 4, Ill, 332 S Michigan Ave Wabash 2-3651
Detroit 8, Mich, 2567 W Grand Blvd Tyler 6-2155
Kansas City 12, Mo, 4627 Wornall Rd Jefferson 1-0286
Pittsburgh 16, Pa, 295 Beverly Rd Fieldbrook 1-1570
San Francisco 11, Cal, 420 Market St Yukon 6-4503
Towson 4, Md, 705 Shelley Rd Valley 5-5456
Tuckahoe 7, N Y, 429 White Plains Rd Woodbine 1-3300
Camco Fittings, Inc, 301 State St, North Haven, Conn Chestnut 8-4418
Camden Copper Works, 559-607 S 2 St, Camden, N J WO 3-1500
Cameron Iron Works, Silber & Katy Rds, Houston, Tex Underwood 4-4411
Lafayette, La, P O Box 1152, Oil Center Sta Center 4-3725
NYC, 7912 Empire State Bldg Longacre 5-2828
Ponca City, Okla, P O Box 247 Rogers 2-5191
Carboline Co, 32 Hanley Ind Ct, St Louis 17, Mo MI 7-5795
Hermosa Beach, Cal, 1613 Pacific Coast Hwy Frontier 6-4931
Houston, Tex, P O Box 14284 Olive 4-9514
N Y C, 299 Madison Ave Murray Hill 2-3235
Oakland 10, Cal, 3718 Grand Ave Glencourt 2-3982
Red Bank, N J, 4 S Lake Dr Shadyside 1-2315
Carbone Corp, 400 Myrtle Ave, Boonton, N J Deerfield 4-0700
Chicago 4, Ill, 53 W Jackson Blvd Harrison 7-5884
Cardinal Scale Mfg Co, 203 E Daugherty, Webb City, Mo 1783
CARDOX DIV, CHEMETRON CORP, 840 N Michigan Ave, Chicago 11, Ill Whitehall 4-7450
Branches in all principal cities
Philip Carey Mfg Co, 320 S Wayne St, Lockland, Cincinnati 15, Ohio Valley 1-3000
Alexandria, Va, 421 Swann Ave, Sec E Overlook 3-2300
Atlanta 9, Ga, P O Box 7367, Station C Trinity 4-5793
Cambridge 38, Mass, 2 Moulton St Trowbridge 6-7700
(Chicago) Bellwood, Ill, 25 & Warren Ave Austin 7-4063
Cincinnati 15, Ohio, 316 S Wayne Ave Valley 1-3000
Cleveland 35, Ohio, 4515 W 160 St Orchard 1-6270
Des Moines, Iowa, 927 Insurance Exchange Bldg Cherry 4-7113
Detroit 38, Mich, 14420 Livernois Ave Townsend 8-2600
Houston 8, Tex, 1400 N Post Oak Rd Underwood 9-3363
Indianapolis 21, Ind, 1432 Kentucky Ave Melrose 5-1314
Los Angeles 21, Cal, 1760 E 15 St Richmond 8-5207
Memphis 7, Tenn, 1510 Orenda Rd Jackson 6-2191
N Y 17, 60 E 42 St Murray Hill 7-1530
Perth Amboy, N J, Smith St & Victory Bridge Valley 6-6881
Phila 32, Pa, 24 & Sedgley Ave Baldwin 9-6430
Pittsburgh 20, Pa, 1018 Saw Mill Run Blvd Hemlock 1-6334
St Louis 3, Mo, 307 N Theresa Ave Jefferson 1-1930
San Francisco 24, Cal, 101 Williams Ave Mission 8-4400
Seattle 4, Wash, 505 Dexter Horton Bldg Seneca 2351
G O Carlson, Inc, Thorndale, Pa Coatesville: 2800
Carpenter Steel Co, 126 W Bern St, Reading, Pa FR 4-8211
Atlanta, Ga, 740 Bluff St, S W JA 3-6472
Bridgeport 6, Conn, 116 Front St ED 6-1105
Buffalo 25, N Y, 3810 Union Rd RE 0880
(Chicago) Melrose Pk, Ill, 4501 James Pl FI 5-5400
Chicago: CO 1-1055
Cincinnati 12, Ohio, 3811 Pacific Ave RE 1-5088
Cleveland 14, Ohio, 1515 Hamilton Ave FR 1-4384
Dayton 4, Ohio, 229 Leo St BA 4-7456
Detroit 12, Mich, 7170 E McNichols Rd FO 6-3400
Hartford 1, Conn, 3284 Main St JA 7-7174
Houston 17, Tex, 2502 Broad St OL 4-6564
Indianapolis 7, Ind, 1618 W Washington St ME 2-5401
Los Angeles 58, Cal, 3009 E 44 St LU 7-9131
Milwaukee 16, Wis, 4152 N 35 St UP 3-0530
Mountainside, N J, 1110 Globe Ave AD 2-8600
Newark: MA 2-1703
(N Y C) Woodside 77, N Y, 27-07 Bklyn-Queens Expwy W AS 8-0537
(Phila) Ft Washington, Pa, Industrial Pk Chestnut Hill 8-2500
Pittsburgh 20, Pa, Pkwy Office Center, 875 Greentree Rd Walnut 1-7755
Providence 5, R I, 66 Dudley St DE 1-5769
St Louis 8, Mo, 3942 Laclede Ave OL 2-6700
(San Francisco) Belmont, Cal, 1530 Industrial Way LY 3-8461
Seattle 1, Wash, 3318 White Henry Stuart Bldg MU 2-2153
Syracuse 2, N Y, 405 Denison Bldg HA 2-0512
Toledo 12, Ohio, 1034 Laskey Rd GR 4-0594
Carrier Conveyor Corp, 211 N Jackson St, Louisville 2, Ky Juniper 7-9231
Carthage Mach Co, Carthage, N Y 1755
Carver Pump Co, 1056 Hershey Ave, Muscatine, Iowa AM 3-3410
AW Cash Co, 540 N 18 St, Decatur, Ill 8-3401
Catalytic Combustion Corp, 4725 14 St, Detroit 8, Mich Tyler 8-8700
Bloomer, Wis, 709 21 St LO 8-2882
Caterpillar Tractor Co, Peoria, Ill 6-3311
(The) Cellulo Co, P O Box 1205, Sandusky O MA 5-3462
Central Scientific Co, 1700 Irving Park Rd, Chicago 13, Ill Wellington 5-8600
Birmingham 4, Ala, 3232 11 Ave N
Boston, Mass, 79 Amherst St
Los Angeles 22, Cal, 6446 Telegraph Rd
Mountainside, N J, 237 Sheffield St
Santa Clara, Cal, 1040 Martin Ave
Central States Paper & Bag Co, Inc, 5221 Natural Bridge Ave, St Louis 15, Mo Colfax 1-8000
Atlanta, Ga, P O Box 482 JA 2-6852
Boston 16, Mass, 419 Boylston St Commonwealth 6-3286
Chicago 26, Ill, 1737 W Howard St Sheldrake 3-6622

Cleveland 7, Ohio, 16202 Hilliard Rd Academy 1-7808
Covington, Ky, 2028 Madison Ave Juniper 1-8171
Dallas 1, Tex, Cotton Exchange Bldg Riverside 7-1408
Denver, Col, 212 Colorado Bldg Amherst 6-2747
Detroit 9, Mich, 4461 W Jefferson Ave Tashmoo 6-1300
Houston 4, Tex, Bermac Bldg, 4101 San Jacinto JA 2-2370
Kansas City, Mo, Doctor's Medical Bldg, 701 E 63 St JA 3-7698
Louisville 2, Ky, 366 Francis Bldg, 410 W Chestnut St JU 7-6772
Minneapolis 9, Minn, 4452 Nicollet Ave TA 4-2246
N Y 17, 342 Madison Ave Murray Hill 7-3062
Palatka, Fla, 1301 Reid St East 5-5311
Phila 39, Pa, 5850 Chestnut St Sherwood 8-1515
Pittsburgh 13, Pa, 435 Atwood Ave Museum 3-0422
Richmond, Va, 1 N 6 St Milton 4-9019
Salt Lake City 4, Utah, 1741 Industrial Rd Hunter 5-9271
Seattle 9, Wash, 557 Roy St Atwater 2-5551

Central Steel & Tank Co, 1106 N 16 Ave, P O Box 13, Yakima, Wash Glencourt 3-4119

Centrifix Corp, 3608 Payne Ave, Cleveland 14, O Express 1-9600

Century Electric Co, 1806 Pine St, St Louis 3, Mo Central 1-4920
Branches in all principal cities

Chain Belt Co, 4701 W Greenfield Ave, Milwaukee 1, Wis Evergreen 4-3000
Appleton, Wis, 103W College Ave Regent 4-4944
Atlanta, Ga, 1788 Ellsworth Industrial Dr, N W Sycamore 4-1566
Baltimore 18, Md, 1115 E 30 St Hopkins 7-6257
Birmingham 4, Ala, 113 N 9 St Alpine 2-5104
Boston 10, Mass, 10 High St Liberty 2-8445
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 5004
Charlotte, N C, 300 Clanton Rd Jackson 3-3861
Chicago 6, Ill, 20 N Wacker Dr Franklin 2-4816
(Cincinnati) Woodlawn, Ohio, 10488 Chester Rd Princeton 1-4325
Cleveland 13, Ohio, 550 Terminal Tower Bldg Cherry 1-4325
Dallas 7, Tex, 8601 Sovereign Row Fleetwood 7-4001
Denver 2, Col, 110 16 St Cherry 4-7467
Detroit 38, Mich, 10600 Puritan Ave Diamond 1-3222
E Orange, N J, 19 N Harrison St Orange 3-2120
Houston 25, Tex, 1100 E Holcombe Blvd Jackson 9-4548
Jacksonville 2, Fla, 1746 E Adams St Elgin 3-5730
Kansas City 11, Mo, 406 W 34 St Jefferson 1-1505
Los Angeles 22, Cal, 7601 Telegraph Rd Raymond 3-4751
Milwaukee 14, Wis, 4532 W Greenfield Ave Evergreen 4-3000
Minneapolis 16, Minn, 3033 Excelsior Blvd Walnut 7-7066
Moline, Ill, 1630 5 Ave 4-2433
N Y 6, 19 Rector St Whitehall 3-6141
Phila 24, Pa, 4125 Whitaker Ave Garfield 6-6150
Pittsburgh 13, Pa, 3400 Forbes St Museum 1-6605
Portland 10, Ore, 2310 N W 24 Ave Capitol 3-6121
St Louis 5, Mo, 8000 Bonhomme Parkview 7-6917
Salt Lake City, Utah, 10 Exchange Pl Elgin 9-6679
Seattle 4, Wash, 2425 Airport Way Mutual 6750
Springfield 3, Mass, 32 Park St Republic 6-2757

Champ Industries, Inc, 10 St, S Erie Ave, Phila 40, Pa Baldwin 8-3272

►CHASE BAG CO
155 E 44 St, N Y 17 MU 2-1850
Boise, Idaho, 601 Riverview Dr, P O Box 2231 4-3193
Chicago 6, Ill, 309 W Jackson Blvd HA 7-5740
Cleveland 14, Ohio, 726 Union Commerce Bldg CH 1-6660
Denver 2, Col, 212 Colorado Bldg, 1615 California St Alpine 5-7744
W Des Moines 5, Iowa, P O Box 186 CR 7-8514
Detroit 26, Mich, 819 Book Bldg Woodward 2-8013
Harlingen, Tex, P O Box 528 Garfield 3-6308
Houston, Tex, 1201 Commerce Ave CA 8-7151
Memphis 3, Tenn, 585 E Parkway S Broadway 5-1800
Milwaukee 2, Wis, Rm 311, Colby-Abbot Bldg Broadway 6-0655
New Orleans 12, La, 525 Internatl Trade Mart, Camp & Common Sts Tulane 5178
Oklahoma City 6, Okla, P O Box 3581 JA 5-0811
Orlando, Fla, P O Box 7755 GA 3-2554
Phoenix, Ariz, P O Box 5206 McDowell Sta CR 4-3012
Pittsburgh 19, Pa, 550 Grant St, Suite 146 Grant 1-1131
Richmond 27, Va, 6009 W Broad St, P O Box 8272 AT 8-2886
Salt Lake City, Utah, 4985 Holladay Blvd CR 7-1612
San Francisco 11, Cal, Rm 1005, 503 Market St YU 6-4284
Toledo 1, Ohio, Brown & Nebraska Sts, P O Box 897 CH 4-5811
Worcester 5, Mass, 12 Apollo Rd Pleasant 4-7054

Chase Brass & Copper Co, Inc, 236 Grand St, Waterbury 20, Conn Plaza 6-9444

Atlanta 10, Ga, 695 Stewart Ave, S W Plaza 5-5731
Baltimore 30, Md, 1315 Key Hwy Plaza 2-2565
Boston 4, Mass, 411 D St Liberty 2-0126
Charlotte 2, N C, 222 S Church St Edison 2-4152
Chicago 39, Ill, 5401 W Grand Ave Tuxedo 9-4000
Cincinnati 2, Ohio, 222 Post Sq Parkway 1-3326
Cleveland 3, Ohio, 4000 Chester Ave Henderson 2-2300
Dallas 7, Tex, 119 Pittsburgh St Riverside 7-4271
Denver 16, Col, 5101 Colorado Blvd Dudley 8-2441
Detroit 38, Mich, 14480 Woodrow Wilson Ave Townsend 8-2939
Grand Rapids 5, Mich, 1537 Plainfield Ave, N E Riverside 2-1048
Houston 1, Tex, 16 Drennan St Capitol 2-7266
Indianapolis 25, Ind, 520 S New Jersey St Melrose 7-1543
Kansas City 8, Mo, 1710 Washington St Victor 2-1710
Los Angeles 54, Cal, 6500 E Washington Blvd Raymond 3-5351
Milwaukee 3, Wis, 1741 W St Paul Av Division 2-7630
Minneapolis 3, Minn, 145 N 10 St Federal 6-4661
Newark 8, N J, 188 Badger Ave Bigelow 8-1700
New Orleans 2, La, 751 Baronne St Jackson 2-9511
(NYC) Maspeth 78, N Y, 55-60 58 St Twining 4-0500
Phila 40, Pa, 20 & Venango St Baldwin 3-5800
Pittsburgh 33, Pa, 1001 Brighton Rd Cedar 1-7900
Providence 1, R I, 66 Branch Ave Dexter 1-2300
Rochester 14, N Y, 45 Exchange St Hamilton 6-3959
St Louis 10, Mo, 4641 McRee Av Prospect 6-3111
S San Francisco 7, Cal, 230 Shaw Rd Plaza 6-4809
Seattle 4, Wash, 1957 1 Ave S Seneca 1862
Waterbury 20, Conn, 40 E Farm St Plaza 6-9444, Ext 209

Chase Chem Corp, 3527 Smallman St, Pittsburgh 1, Pa Museum 1-6544

Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill WH 4-3100
See separate listings by divisions:
Cardox Div
Girdler Process Equipment Div
National Cylinder Gas Div
Tube Turns Div

Chemicolloid Labs, Inc, 55 Herricks Rd, Garden City Pk, N Y Pioneer 7-2666

Chemineer, Inc, 1044 E 1 St, Dayton 2, Ohio Baldwin 2-8361
N Y 17, 60 E 42 St Lackawanna 4-4051
Chemiquip Co, 36 E 10 St, N Y 3 Gramercy 7-3772

Chempump Corp, 1300 E Mermaid Lane, Phila 18, Pa CH 7-6300

Chem-Pure Service Co, 762 Industrial Rd, San Carlos, Cal Lytell 3-8218

Chicago-Allis Mfg Corp, 113-125 N Green St, Chicago 7, Ill Monroe 6-5050
Detroit 36, Mich, 19818 Mack Ave Tuxedo 4-7760
N Y 17, 250 E 43 St Murray Hill 4-3315

Chicago Bridge & Iron Co, 332 S Michigan Ave, Chicago 4, Ill Harrison 7-6708
Atlanta 3, Ga, 57 Forsyth St NW Jackson 5-5561
Birmingham 1, Ala, P O Box 277 Worth 1-1191
Boston 10, Mass, 201 Devonshire St Hancock 6-8441
Cleveland 15, Ohio, 25 Prospect Ave W Cherry 1-1218
Detroit 26, Mich, Rm 907, LaFayette Bldg Woodward 3-0035
Houston 2, Tex, C & I Life Bldg Capitol 3-4425
Kansas City, Mo, 7926A Stateline Rd
New Orleans 19, La, P O Box 7146
N Y 6, 165 Broadway Cortlandt 7-2900
Phila 2, Pa, 6 Penn Center Plaza
Pittsburgh 19, Pa, 425 6 Ave
Salt Lake City 10, Utah, P O Box 687 Hunter 4-8551
San Francisco 4, Cal, 100 Bush St Exbrook 2-8936
Seattle 1, Wash, 1318 4 Ave Seneca 7487
S Pasadena, Cal, 712 Fair Oaks Ave Ryan 1-2865
Tulsa 14, Okla, 6 Dowell Bldg Riverside 2-5511

Chicago Gasket Co, 1271 W North Ave, Chicago 22, Ill Humboldt 6-3060

Chicago Pneumatic Tool Co, 6 E 44 St, N Y 17 MU 7-1700
Atlanta 9, Ga, 91 16 St N W Trinity 4-8696
Birmingham 4, Ala, 810 5 Ave N Fairfax 2-6514
Boston 35, Mass, 76 Lincoln St Stadium 2-8088
Buffalo 2, N Y, 132 W Chippewa St Washington 8248
Chicago 19, Ill, 936 E 87 St Hudson 8-2400
Cincinnati 29, Ohio, 4511 Reading Rd Jefferson 1-6325
Cleveland 14, Ohio, 1643 Superior Ave Main 1-8065
Dallas 7, Tex, 1021 Levee St Riverside 1-4568
Denver 4, Col, 465 Acoma St Race 2-2813
Detroit 26, Mich, 570 E Larned St Woodward 1-3841
Houston 23, Tex, 2120 Canada Dry St Walnut 3-4601
Los Angeles 22, Cal, 6935 Bandini Blvd Raymond 3-8731
Milwaukee, Wis, 5820 W Blue Mound Rd Blue Mound 8-2080
Minneapolis 3, Minn, 1406 1 Ave S Federal 9-6747
New Orleans, La, 3303 Tulane Ave Galvez 5715
N Y 17, 6 E 44 St Murray Hill 7-1700
(Phila) Wynnewood, Pa, 312 E Lancaster Ave Midway 9-9300
Pittsburgh 13, Pa, 369 Coltart Ave Museum 1-9822
St Louis 17, Mo, 8029 Litzsinger Rd Mission 5-7511
Salt Lake City 1, Utah, 156 W 4 St S Elgin 5-2985
San Francisco 3, Cal, 855 Bryant St Hemlock 1-7928
Seattle 4, Wash, 2901 1 Ave S Main 2-3930
Tulsa, Okla, 3120 S Winston Ave Riverside 2-2475
Washington 6, D C, 726 Mills Bldg Executive 3-3770

Chiksan Co, 330 N Pomona Ave, Brea, Cal Jasper 9-2121
Chicago 5, Ill, 600 S Michigan Ave Webster 9-3657
Newark 2, N J, 115 Washington St Mitchell 2-7993
Oakland 12, Cal, 600 16 St Glencourt 2-4202

Clarage Fan Co, 619 Porter St, Kalamazoo, Mich Fireside 9-1541
Akron, O, 2108 Braewick Circle Temple 6-5549
Atlanta, Ga, 795 Peachtree N E Trinity 6-4205
Baltimore, Md, 12 E 21 St Belmont 5-1661
Chicago Ill, 205 W Wacker FR 2-2700
Cincinnati 2, Ohio, 626 Broadway Garfield 1-0213
Cleveland 15, Ohio, 1501 Euclid Ave Cherry 1-3533
Detroit 2, Mich, 2842 W Grand Blvd Trinity 1-0332
Newark 2, N J, 972 Broad St Mitchell 2-1222
N Y 36, 500 5 Ave Penn 6-6863
(Phila) Bala-Cynwyd, Pa, 7 Bala Ave Mohawk 4-2736
Rochester, N Y, 339 East Ave Baker 5-8130
Toledo 13, Ohio, 4239 Monroe St Greenwood 4-2101
Waltham, Mass, 751 Main St Twinbrook 3-4441
W Hartford 7, Conn, 1000 Farmington Ave Jackson 3-7348

Clark-Cooper Co, Inc, 315 Market St, Palmyra, N J Talmadge 9-1447

Clark Equipment Co, Industrial Truck Div, Battle Creek, Mich Woodward 2-6561
Chicago 1, Ill, Prudential Plaza DE 7-6057
N Y 17, 485 Lexington Ave OX 7-7755
San Francisco 4, Cal, 235 Montgomery St, Suite 1662 YU 2-0228
Washington 5, D C, 1000 Vermont Ave NW, Suite 1203 NA 8-1669

Clark Mfg Co, 1830 E 38 St, Cleveland 14, Ohio Express 1-1414

Clarkson Co, 735 Loma Verde Ave, Palo Alto, Cal Davenport 5-4347

Clay-Adams, Inc, 141 E 25 St, N Y 10 Murray Hill 6-4920

Clayton Mfg Co, 401 N Temple City Blvd, El Monte, Cal Cumberland 3-4131
Cincinnati, Ohio, 1774 Mentor Ave, Norwood Redwood 9137

Clayton Mark & Co, 9100 Dempster St, Evanston, Ill University 4-9100

Cleaver-Brooks Co, 326 E Keefe Ave, Milwaukee 12, Wis WO 2-0100

Cleveland Crane & Engrg Co, Wickliffe, Ohio Whitney 3-3700

Cleveland Worm & Gear Co, 3300 E 80 St, Cleveland 4, Ohio Vulcan 3-4560

Cochrane Corp, 3178 N 17 St, Phila 32, Pa Baldwin 5-2144
N Y 16, 261 Madison Ave Murray Hill 2-3135

R D Cole Mfg Co, E Broad St, Newnan, Ga AL 3-3232

Coleman Instruments, Inc, 42 Madison St, Maywood, Ill Fillmore 3-8574

(The) Colonial Iron Works Co, 17643 St Clair Ave, Cleveland 10, Ohio KE 1-2300

(The) Colorado Fuel & Iron Corp, P O Box 1920, Denver, Col Cherry 4-0833
Albuquerque, N M, 2824 Central Ave S E Chapel 3-5526
Amarillo, Tex, 1008 Fisk Bldg Drake 2-6717
Billings, Mont, 501 N 27 St 6-6520
Boise, Idaho, 523-5 Idaho First Natl Bank Bldg 3-6461
Butte, Mont, 401-2 Metals Bank Bldg 5359
El Paso, Tex, 803-4 Bassett Tower Bldg KE 2-7211
Farmington, N M, Shiprock Hwy Davis 5-6802
Ft Worth, Tex, 6000 Camp Bowie Blvd Pershing 2-1404
Houston, Tex, 6609 Supply Row Walnut 6-1776
N Kansas City, Mo, 2330 Burlington Ave Baltimore 1-2565
Lincoln 8, Neb, 404-5 Sharp Bldg 2-4441
Los Angeles 22, Cal, 2444 Saybrook Ave Raymond 3-4691
Oakland 6, Cal, 1080 19 Ave Kellog 2-2141
Odessa, Tex, 2119 W Murphy St Federal 2-4332
Oklahoma City 2, Okla, 916 Colcord Bldg Central 2-0116
Phoenix, Ariz, 305 E Buchanan St Alpine 8-5751
Portland 9, Ore, 1350 N W Raleigh St Capitol 8-7311
Pueblo, Col, P O Box 2571 LI 3-2470
Salt Lake City 4, Utah, 212 W 13 S St Ingersol 7-5438
San Antonio, Tex, P O Box 2571 Walnut 6-1776
San Francisco, Cal, 235 Montgomery St Juno 8-9252
San Leandro, Cal, 425 Hester St Neptune 6-1959
Seattle 4, Wash, 3434-44 2 Ave S Seneca 4881
Spokane 8, Wash, 4320 E Trent Ave Keystone 5-2071
Tulsa 1, Okla, 4422 W 49 St Hickery 6-6681
Wichita, Kan, 811 E 10 St Hobart 4-4305
See also separate listing by division:
Wickwire Spencer Steel Div

Arthur Colton Co, 3400 E LaFayette, Detroit 7, Mich Lorain 7-0123
Chicago 39, Ill, 5807 W Diversey Berkshire 7-7610
N Y 16, 305 5 Ave Murray Hill 6-3572

►See catalog advertisement (Advertisers Index)

Combustion Engrg, Inc, 200 Madison Ave, N Y 16 Mu 9-4600
Commercial Filters Corp, 2 Main St, Melrose 76, Mass Davenport 4-7000
Condenser Service & Engrg Co, Inc, 164 Observer Hwy, Hoboken, N J BA 7-0600
Conn & Co, 9-11 S Marion St, Warren, Pa Randolph 3-7980
Connecticut Hard Rubber Co, 407 East St, New Haven 9, Conn Spruce 7-3631
Conoflow Corp, 2100 Arch St, Phila 3, Pa Locust 7-7560
N Y 7, 30 Church St Worth 2-7553
Consolidated Electrodynamics Corp, 360 Sierra Madre Villa, Pasadena, Cal Murray 1-8421
Albuquerque, N M, 301 Washington S E Alpine 5-8671
Atlanta 5, Ga, 3272 Peachtree Rd N E Cedar 3-4467
Beverly Hills, Cal, 291 S La Cienega Blvd Oleander 5-8414
Boston 16, Mass, 31 St James Ave Hancock 6-1354
Buffalo 23, N Y, 2070 Sheridan Dr Victoria 1655
Chicago 45, Ill, 2540 W Peterson Ave Rogers Park 1-4235
Columbus 14, O, 3770 N High St Amherst 7-7568
Dallas 35, Tex, 703 Exchange Bank Bldg Fleetwood 1-9997
Hasbrouck Hts, N J, 345 Blvd Atlas 8-2055
Houston 21, Tex, 5721 Beekman St Olive 4-5769
Orlando, Fla, 2400 E Colonial Dr Cherry 1-2131
Palo Alto, Cal, 615 Fabian Way Davenport 6-8350
Pasadena, Cal, 1025 E Green St Sycamore 5-4371
Phila 4, Pa, 101 N 33 St Evergreen 2-1529
Pittsburgh 21, Pa, 708 Franklin Ave Fremont 1-9955
St Louis 17, Mo, 1401 Brentwood Blvd Woodland 2-3542
San Diego, Cal, 3266 Rosecrans St Academy 2-9630
Washington 5, D C, 711 14 St N W Republic 7-3697
Rochester Div, 1775 Mt Read Blvd, Rochester 3, N Y Glenwood 3-7972
Consolidated Packaging Machy Corp, 1400 West Ave, Buffalo 13, N Y Lincoln 0163
Continental Boiler & Sheet Iron Works, 5602 W Park Ave, St Louis 10, Mo ST 1-8500
Chicago 5, Ill, 600 S Michigan Webster 9-3150
N Y 10, 175 5 Ave Oregon 7-6868

►CONTINENTAL CAN CO, INC,
100 E 42 St, N Y 17 Oxford 7-1200
Boxboard & Folding Carton Div, 530 5 Ave, N Y 36 Murray Hill 2-1300
Branches in all principal cities
Containerboard & Kraft Paper Div, 530 5 Ave, N Y 36 Murray Hill 2-1300
Branches in all principal cities
Fibre Drum & Corrugated Box Div, 530 5 Ave, N Y 36 Murray Hill 2-1300
Atlanta 1, Ga, 409 Grant Bldg Jackson 4-6651
Boston 16, Mass, 38 Newbury St Copley 7-8515
Chicago 3, Ill, 135 S LaSalle St Andover 3-4900
Cleveland 14, Ohio, 1815 Superior Ave, N E Cherry 1-1540
Eau Claire, Wis, 405 S Farwell St Tempe 5-3718
Houston 2, Tex, 325 Oil & Gas Bldg Capital 7-1146
Los Angeles 17, Cal, 1120 Wilshire Blvd Madison 6-7611
Midland, Mich, 2700 E 2 St, Circle Branch 5-6793
Phila 7, Pa, 12 S 12 St Market 7-7900
Pittsburgh 19, Pa, 2615 Grant Bldg Court 1-5702
St Louis 5, Mo, 7912 Bonhomme Ave Parkview 7-8254
San Francisco 4, Cal, Russ Bldg Yukon 2-2300
Tonawanda, N Y, 2122 Colvin Blvd Jackson 4000
Van Wert, Ohio, 975 Glenn St 2-3015
Flexible Packaging Div, Mt Vernon, O Express 3-0222
Branches in all principal cities
Hazel-Atlas Glass Div, 15 & Jacob Sts, Wheeling, W Va Cedar 3-4000
Branches in all principal cities

►METAL DIV,
100 E 42 St, N Y 17 Oxford 7-1200
Branches in all principal cities
Paper Container Div, 439 Oraton St, Newark, N J Humboldt 5-4200
Branches in all principal cities
Plastic Container Div, 2930 N Ashland Ave, Chicago 13, Ill Eastgate 7-1700
Branches in all principal cities
White Cap & Bond Crown Div, 1819 N Major Ave, Chicago 39, Ill Merrimac 7-2000
Branches in all principal cities
Controlled Atmosphere Enclosures Mfg Co, Inc, 1061 E 8 St, Jacksonville 6, Fla Elgin 3-9639
Cooper Alloy Corp, Bloy St & Ramsey Ave, Hillside, N J MU 8-4120
Cooper-Bessemer Corp, Mt Vernon, Ohio EX 3-0121
Chicago 3, Ill, 122 S Michigan Ave Webster 9-3595
Dallas 1, Tex, 1318 Fidelity Union Life Bldg Riverside 7-2595
Gloucester, Mass, 21-23 Water St 2490
Greggton, Tex, 409 Jones St Plaza 9-4041
Houston 6, Tex, 2705 Danville St Jackson 3-3601
Los Angeles 15, Cal, 1940 Lovelace Ave Richmond 9-7241
Minneapolis 10, Minn, 5716 France Ave S WA 2-7849
New Orleans 25, La, 1410 Jefferson Davis Pkwy University 6-6341
N Y 36, 25 W 43 St Bryant 9-2553
Odessa, Tex, 2626 Kermit Hwy FE 7-8607
Pampa, Tex, 518 W Kingsmill St Mohawk 4-3375
St Louis 3, Mo, 1514 Locust St Central 1-8305
San Francisco 5, Cal, 210 1 St Yukon 2-2972
Seattle 99, Wash, 954 Elliott Ave, W Alder 5-777
Shreveport, La, 403 Lake St 2-8484
Tulsa, Okla, 201 E 1 St Cherry 2-6156
Washington 5, D C, 1511 K St, N W National 8-8310
Copes-Vulcan Div, Blaw-Knox Co, 939 W 26 St, Erie 4, Pa GL 4-2431
Coppus Engrg Corp, 344 Park Ave, Worcester 10, Mass PL 2-5638
Conveyors & Dumpers, Inc, 4 Stanley Rd Redwood 1-1675
Corning Glass Works, Corning, N Y 2-5011
Chicago 54, Ill, Merchandise Mart Delaware 7-6600
Houston 27, Tex, 3202 Wesleyan Mohawk 5-7284
Los Angeles 17, Cal, 1125 W 6 St Huntley 2-5400
N Y 19, 718 5 Ave Plaza 2-1100
J C Corrigan Co, Inc, 41 Norwood St, Boston 22, Mass Geneva 6-0800
Chicago, Ill, 55 E Washington St Financial 6-9086
N Y 17, 420 Lexington Ave Lexington 2-9272
Phila, Pa, 331 N 34 St Baring 2-4285
Rutherford, N J, 130 Orient Way Geneva 8-2141
Cox & Co, Inc, 115 E 23 St, N Y 10 Oregon 4-4727
Coyne Cylinder Co, 224 Ryan Way, S San Francisco, Cal Plaza 6-6910
Glenview, Ill, 3800 Springdale Ave
La Hambra, Cal, 511 S Fullerton Rd Owen 1-2221
Memphis 9, Tenn, 155 W Bodley Ave Whitehall 8-7780
Newark, N J, 24 Commerce St Mitchell 2-1618
Crane Co, Valve & Fittings Div, 836 S Michigan Ave, Chicago 5, Ill WA 2-3123
Branches in all principal cities
Crane Packing Co, 6400 Oakton St, Morton Grove, Ill Orchard 4-0100
Crescent Insulated Wire & Cable Co, 319 N Olden Ave, Trenton 9, N J Export 6-9111
CROLL-REYNOLDS CO, INC, 751 Central Ave, Westfield, N J Adams 2-4200
N Y 38, 17 John St Worth 4-5784
Croll Reynolds Engrg Co, Inc, 17 John St, N Y 38 Cortlandt 7-5531
Cromwell Paper Co, 18 N Wabash, Chicago 1, Ill Dearborn 2-6320
Crosby Forest Products Co, Lock Drawer 71, Picayune, Miss SY 8-4731
Crowell Designs, Inc, 2106 Bridge Ave, Point Pleasant, N J Twinbrook 2-0268
Crown Cork & Seal Co, 9300 Ashton Rd, Phila 36, Pa Orchard 3-5100
Atlanta 9, Ga, 1401 Peachtree St N E Trinity 5-0011
Baltimore 24, Md, O'Donnell & New Kirk Sts Broadway 6-0400
(Birmingham) Leeds, Ala, 100 Ashville Rd Randolph 6-2222
Cambridge 41, Mass, 46 1 St University 8-8180
Chicago 38, Ill, 5235 W 65 St Ludlow 2-7000
Cincinnati 10, Ohio, 1104 Race St Cherry 1-6366
Dallas 1, Tex, 123 Oaklawn Ave Riverside 2-9381
Detroit 4, Mich, 7646 W Chicago Ave Webster 3-6484
Los Angeles 58, Cal, 5025 Hampton St Ludlow 9-5211
(Milwaukee) Cudahy, Wisc, 5025 S Packard Ave Humboldt 1-4100
N Y 17, 10 Columbus Circle Circle 5-3200
Orlando, Fla, P O Box 512 Garden 2-9861
Phila 36, Pa, 9300 Astown Rd Orchard 3-5100
San Francisco, Cal, 2650 Bay Shore Blvd Juniper 5-7686
St Louis, Mo, 5622 Natural Bridge Ave Evergreen 5-5200
Crucible Steel Co of America, Box 2518, Pittsburgh 30, Pa Atlantic 1-3800
Branches in all principal cities
Cuno Engrg Corp, 60 S Vine St, Meriden, Conn Beverly 7-5541
(Boston) Newtonville, Mass, 815 Washington St Bigelow 4-8002
Buffalo 26, N Y, 4548 Main St Circle 4306
Chicago 40, Ill, 4425 N Sheridan Rd Longbeach 1-7093
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Cleveland, Ohio, 4511 Brookpark Rd Shadyside 9-4646
(Los Angeles) San Marino, Cal, 475 Huntington Dr Ryan 1-2805
(Phila) Ardmore, Pa, 121 Coulter Ave Midway 2-4041
Pittsburgh 16, Pa, 1610 Potomac Ave LO 1-4460
(San Francisco) Burlingame, Cal, 723 California Dr, P O Box 271 Diamond 2-3537
Winston Salem, N C, 813 Madison Ave S W Park 3-8702
Cutler-Hammer, Inc, 524 N 12 St, Milwaukee 1, Wis Broadway 1-7800
Branches in all principal cities

D

D & R Plastic Welders, Inc, Water St, Hazardville, Conn RI 9-8301
George W Dahl Co, Inc, 86 Tupelo St, Bristol, R I Clifford 3-9500
Dalweld Co Inc, 13 Bertel Ave, Mt Vernon, N Y 4-8698
Darling Valve & Mfg Co, Foot Walnut St, Williamsport, Pa 3-6121
Dallas, Tex, 533 Exchange Bank Bldg Fleetwood 7-1695
N Y 36, 500 5 Ave Chickering 4-6018
Toledo, Ohio, 1513 Jefferson Ave Cherry 6-2482
Darworth, Inc, Chem Products Div, Simsbury, Conn Oldfield 8-4411
Davenport Mach & Foundry Co, 1628-56 W 4 St, Davenport, Iowa 2-6201
Davis Engrg, Div American Metal Products Co, 1064 E Grand St, Elizabeth 4, N J 4-2670
N Y 20, 30 Rockefeller Plaza Circle 6-5650
Day Co, 810 3 Ave N E, Minneapolis 13, Minn Federal 6-9671
Buffalo, N Y, 3580 Harlem Rd Parkside 6968
Chicago 4, Ill, 343 S Dearborn St Harrison 7-3721
Hoboken, N J, 77 River St Oldfield 6-6010
Kansas City 13, Mo, 6305 Brookside Plaza Emerson 1-0800
J H DAY CO, DIV CLEVELAND AUTOMATIC MACHINE CO, 4928 Beech St, Cincinnati 12, Ohio Redwood 1-5300
Chicago 44, Ill, 5967 W Madison Austin 7-4638
Cleveland, Ohio, 1974 Wynwood Dr (Rocky River) Edison 1-1533
N Y 17, 480 Lexington Ave Plaza 9-7182
Dean Brothers Pumps, Inc, 323 W 10 St, Indianapolis 7, Ind Melrose 4-6401
Chicago 4, Ill, 53 W Jackson Blvd Wabash 2-1960
N Y 6, 92 Liberty St Barclay 7-9215
St Louis 19, Mo, P O Box 69, Webster Groves Sta Yorktown 6-8303
Dean Products, Inc, Dean Thermo-Panel Coil Div, 609 Franklin Ave, Bklyn 38, N Y Sterling 9-5400
DeBothezat Fans Div, American Mach & Metals, Inc Dept CW-58, E Moline, Ill 3-4561
N Y 7, 233 Broadway Rector 2-3822
Washington, D C, 1333 G St, Rm 511 Republic 7-3875
DeLaval Separator Co, 25 Columbia St, Poughkeepsie, N Y Globe 2-1000
Chicago 46, Ill, 5724 N Pulaski Rd Independence 3-3020
Millbrae, Cal, 201 E Millbrae Ave Oxford 7-4001
Delaware Barrel & Drum Co, Inc, P O Box 1648, Wilmington, Del OL 6-7751
Chicago, Ill, 100 W Chicago Ave Whitehall 3-2414
Cleveland, Ohio, 20950 Center Ridge Rd Edison 1-4455
Houston, Tex, 1213 Capital Ave Capital 8-6567
N Y C, 225 E 79 St Regent 4-7250
Phila, Pa, 1418 Walnut St Pennypacker 5-8284
Delta Tank Mfg Co, Inc, 333 Laurel St, Commerce Bldg, Baton Rouge, La Dickens 3-5701
Houston 2, Tex, 311 Oil & Gas Bldg Capitol 7-5323
N Y 17, 122 E 42 St Oxford 7-4066
Deming Co, S Broadway, Salem, Ohio ED 7-8741
Jacksonville, Fla, 1285 Houston St Elgin 4-3271
Memphis, Tenn, 301 S Parkway W Whitehall 8-8541
N Y C, 420 Lexington Ave Murray Hill 5-8885
Tyler, Tex, 727 Division St 4-9715
Denver Equipment Co, 1400 17 St, Denver, Colo CH 4-4466
N Y C, 4114 Empire State Bldg Chickering 4-6510
Derrick Mfg Co, 590 Duke Rd, P O Box 2593, Buffalo 25, N Y RE-9010
Despatch Oven Co, 619 S E 8 St, Minneapolis, Minn Franklin 1-1873
Detrex Chem Industries, Inc, 14331 Woodrow Wilson, P O Box 501, Detroit 32, Mich Townsend 8-8600
Bowling Green, Ky, Emmett Dr & Russellville Rd Victor 2-2411
Chicago 45, Ill, 5875 Lincoln Ave Longbeach 1-9658
Englewood, N J, 39 Park Pl Lowell 8-1245
Los Angeles 58, Cal, 3027 Fruitland Ave Ludlow 8-9214
West Hartford 7, Conn, 967 Varmington Ave Adams 2-1993
Detroit Hoist & Mach Co, 8312 Morrow St, Detroit 11, Mich TR 5-8344
DeZurik Corp, Sartell, Minn Blackburn 1-0221
Diamond Chain Co, Inc, 402 Kentucky Ave, Indianapolis 7, Ind ME 8-6431
Atlanta 9, Ga, 92 14 St N E Trinity 6-5184
Battle Creek, Mich, 811 Mich Natl Bank Bldg, Woodward 3-5364
Cincinnati, O, 7351 Hamilton Ave Webster 1-3302
Cleveland, O, 17799 Lorain Ave Winton 1-7373
Los Angeles, Cal, 900 Santa Fe Ave Madison 2-1723
Minneapolis, Minn, 216 6 St SE Lincoln 6196
Needham, Mass, Rm 14 Needham Bldg Hillcrest 4-1390
Oak Park, Ill, 212 S Marion St Euclid 3-1512
Phila, Pa, 401 Suburban Sq Bldg Midway 2-3060
San Francisco, Cal, 595 Santa Cruz Ave Davenport 3-4940
Tulsa, Okla, 2238 Terwilleger Blvd Riverside 2-1960
Diehl Mfg Co, 1181 Finderne Ave, Somerville, N J Randolph 5-2200
Baltimore 1, Md, 511 N Charles St Lexington 9-6947
Chamblee, Ga, 4951 Peachtree Industrial Blvd Glendale 7-7244
Charlotte 6, N C, 1514 Hutcheson Ave Franklin 5-2331

Chicago 7, Ill, 1019 W Jackson Blvd Taylor 9-4556
Cincinnati 13, Ohio, Box 171, Pleasant Ridge Sta Melrose 1-0136
Cleveland 14, Ohio, 2117 Superior St Main 1-4852
Los Angeles 14, Cal, 808 S Broadway Trinity 7863
Milwaukee 2, Wis, 918 N Van Buren St Broadway 2-0866
Needham 94, Mass, 360 1 Ave Hillcrest 4-4880
N Y 6, 95 Liberty St Digby 9-1222
Phila 7, Pa, 132 N 12 St Locust 7-7215
Pittsburgh 9, Pa, 3184 Babcock Blvd Wellington 1-4545
Syracuse 2, N Y, Rm 317, State Tower Bldg Harrison 2-1941
J P Devine Mfg Co, 49 & Harrison Sts, Pittsburgh 1, Pa Museum 2-5740
N Y 36, 500 5 Ave Wisconsin 7-7769
Dodge Mfg Corp, S Union St, Mishawaka, Ind Blackburn 9-2421
Chicago, Ill, 407 S Dearborn Harrison 7-2980
Dallas 7, Tex, 2412 Irving Blvd Riverside 1-4941
N Y C, 270 Madison Ave Oregon 9-6696
Pittsburgh 22, Pa, 2 Gateway Center Court 1-2747
San Francisco 5, Cal, 55 New Montgomery St Douglas 2-8434
Dorr-Oliver, Inc, Havemeyer Lane, Stamford, Conn Fireside 8-5871, Ext 461
Atlanta, Ga, 900 Peachtree St N E Emerson 8151
Baltimore 18, Md, 2125-27 Maryland Ave Hopkins 7-2041
Chicago 54, Ill, 813 Merchandise Mart Delaware 7-0723
Cleveland 7, Ohio, 14700 Detroit Ave Academy 1-4320
Dallas 25, Tex, 6115 Berkshire Lane Forrest 8-2873
Denver, Col, P O Box 149, Englewood Sunset 1-6635
Kansas City, Mo, 4117 Broadway, Valentine 1-7603
Los Angeles 17, Cal, 811 W 7 St Tucker 3-297
N Y 16, 99 Park Ave Murray Hill 2-6232
Oakland 1, Cal, 2900 Glascock St Kellog 3-3636
Pittsburgh 27, Pa, 4209 Clairton Blvd Tuxedo 4-1732
St Paul 4, Minn, 2631 University Ave Midway 5-3370
Seattle 99, Wash, 420 1 Ave W Atwater 2-0067
Virginia, Minn, 204½ Chestnut Ave Sherwood 1-4689
DOW CHEM CO, Midland, Mich Melrose 6-1000
Atlanta 3, Ga, 1714 Fulton Natl Bank Bldg Murray 8-3085
Boston 16, Mass, 520 Boylston St Copely 6-6415
Buffalo 2, N Y, 70 Niagra St Mohawk 8825
Camden 2, N J, 400 Market St Woodlawn 6-4150
Charlotte 2, N C, 504 Wachovia Bank Bldg Edison 4-0851
Chicago 48, Ill, 6000 W Toahy Ave Sprint 4-6000
Cincinnati 6, O, 2330 Victory Pkwy Capitol 1-7020
Cleveland 13, O, Terminal Tower Tower 1-5825
Dallas 1, Tex, 1505 Elm St Riverside 2-8691
Detroit 2, Mich, 450 Fisher Bldg Trinity 5-7200
Houston 25, Tex, 6910 Fannin St Jackson 6-1601
Los Angeles 17, Cal, 900 Wilshire Blvd Madison 6-0111
Minneapolis 3, Minn, 1750 Hennepin Ave Federal 3-2373
New Orleans 12, La, 1100 Commerce Bldg Tulane 0206
N Y 20, 45 Rockefeller Plaza Plaza 7-8300
Pittsburgh 22, Pa, 1 Gateway Center Atlantic 1-3030
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 6-1000
San Francisco 4, Cal, 350 Sansome St Garfield 1-8323
Seattle 1, Wash, 1809 7 Ave Main 4-6488
Dowell Div, Dow Chem Co, P O Box 536, Tulsa, Okla RI 2-5501
Baltimore, Md, Towson Branch Plaza 2-2617
Belle, W Va, 190 Stubb Dr Williams 9-4011
Charleston, W Va, 508 United Carbon Bldg Dickens 6-1134
Chatttanooga, Tenn, 1704 Camden Madison 9-0246
Chicago Hts, Ill, E End Ave & Sauk Trail SKyline 5-0400
Collinsville, Ill, 604 Keebler Dickens 4-7382
Depew, N Y, 3313 Walden Ave Regent 5464
Hamilton, O, 384 Erie Hwy Twinbrook 3-1163
Jacksonville, Fla, 841 Miami Rd Flanders 9-5050
Jefferson City, Mo, 1761 Industrial Blvd 6-3167
Los Angeles, Cal, 900 Wilshire Blvd Madison 6-0111
Medina, O, 320 S Bway Park 3-8635
Mount Holly, N J, Maple Ave & Jones Blvd Amherst 7-4480
N Y C, 45 Rockefeller Plaza, Rm 1965 Plaza 7-8300
Pittsburgh 54, Pa, 300 Mt Lebanon Blvd Locust 3-4477
Richmond, Va, Old Bellwood Rd & Va State Rd BE 2-7792
Sterling, Colo, P O Box 1067 LA 2-0096
St Louis, Mo, 8851 Watson Woods Victor 3-1282
Ventura, Cal, 1368 N Olive Miller 8-2236
Wayne, Mich, 4095 Heywood Ave Parkway 2-2045
Yates Center, Kans, 100 W Wilson 721
Youngstown, O, 2502 Rosewae Dr Sweetbriar 9-4941
Downingtown Iron Works Inc, Div Pressed Steel Tank Co, 142 Wallace Ave, Downingtown, Pa Andrews 9-2250
Buffalo, N Y, 288 Burke Dr
Chicago 4, Ill, 208 S LaSalle St
Los Angeles 29, Cal, 5327 Santa Monica Blvd
N Y 17, 52 Vanderbilt Ave
J E Doyle Co, 1220 W 6 St, Cleveland 13, Ohio Cherry 1-3939
Dracco Div, Fuller Co, Harvard Ave & E 116 St, Cleveland 5, Ohio Vulcan 3-7000
Dravo Corp, Neville Island, Pittsburgh 25, Pa Spalding 1-1200
Atlanta 5, Ga, 1401 Peachtree St Emerson 6418
Boston 9, Mass, 79 Milk St HA 6-1630
Chicago 4, Ill, 208 LaSalle St DE 2-7436
Cincinnati 9, Ohio, 4115 Edwards Rd RE 1-8446
Cleveland 3, Ohio, 4207 Chester Ave HE 1-7500
Detroit 2, Mich, 409 S Boulevard Bldg Trinity 3-5210
Houston 4, Tex, 1303 Prudential Bldg Jackson 2-8674
Indianapolis 8, Ind, 54 W 30 St Walnut 5-9144
N Y 6, 19 Rector St HA 2-6653
Phila 3, Pa, 1483 Suburban Sta Bldg RI 6-5292
St Louis 17, Mo, 1110 S Brentwood Blvd PA 5-5221
San Francisco 5, Cal, 702 Monadnock Bldg Yukon 2-3782
Dresser Mfg Div, Fisher Ave, Bradford, Pa 3131
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8377
Houston 2, Tex, 1121 Rothwell St Capitol 7-6749
N Y 17, 122 E 42 St Oxford 7-2800
Phila 7, Pa, 611 Widener Bldg Rittenhouse 6-0216
S San Francisco, Cal, 101 S Airport Blvd Plaza 5-8778
Ducon Co, Inc, 151 E 2 St, Mineola, N Y Pioneer 2-6100
Durabla Mfg Co, 114 Liberty St, N Y 6 BA 7-2932
Chicago 5, Ill, 407 S Dearborn St
Pittsburgh 22, Pa, 813 Investment Bldg
Dura-Lee Corp, 908 Broadway, Kansas City, Mo VI 2-0031
Duramettallic Corp, Factory St, Kalamazoo, Mich Fireside 3-2688
Baton Rouge, La, 3862 Scenic Hwy 5-2413
Chicago 49, Ill, 1737 E 75 St Fairfax 4-4405
Corpus Christi, Tex Tulip 4-2392
Decatur, Ga, 2225 Holly Hill Dr Butler 9-0792
Ft Wayne, Ind, 636 Putnam St Anthony 8-7594
Houston 6, Tex, P O Box 6163, Fairview Sta Jackson 6-4144
Huntington 1, W Va, 115 W 9 Ave Jackson 5-0639
Kansas City 12, Mo, 1214 W 47 St Jefferson 1-6550
Lansing, Mich, 1312 Pulaski St IV 9-1169
Los Angeles 22, Cal, 4935 E Olympic Blvd Angelus 1-3165
Newark 2, N J, 24 Commerce St Mitchell 2-3444
Newark, Del, 105 Bent Lane Endicott 8-2223
Richmond, Va Elgin 3-9136
Rochester 19, N Y, 61 Normandale Dr Beverly 5-5301
St Louis 5, Mo, 34 N Brentwood Blvd Parkview 5-8759
Springfield 4, Mass, 235 Connecticut Ave Republic 9-1809
Tulsa, Okla Fillmore 5-6633
Youngstown, Ohio, 2574 S Meridan Riverside 3-7075
Dust Suppression & Engrg Co, 120 S Bway (P O Box 67), Lake Orion, Mich MY 2-6491
DU VERRE, INC, 374 Delaware Ave, Buffalo 2, N.Y. Madison 4492

E

Eagle-Picher Co, American Bldg, Cincinnati 1, Ohio Parkway 1-7010
Branches in all principal cities
Earl Paint Corp, Dept C, 240 Genesse St, Utica, N Y RA 4-6126

►EASTERN INDUSTRIES, INC,
100 Skiff St, Hamden 14, Conn Chestnut 8-3841
Inglewood, Cal, 1608 Centinela Ave Oregon 8-3958
Wellesley, Mass, Rm 14, 66 Central St Cedar 7-0942
Eastern Stainless Steel Corp, P O Box 1975, Baltimore 3, Md Atwater 8-2000
Chicago 29, Ill, 5935 S Pulaski Rd Ludlow 2-1622
Cincinnati 6, Ohio, 1433 E McMillan St Plaza 1-2481
N Y 17, 150 E 42 St Yukon 6-4737
Pasadena 1, Cal, 595 E Colorado St Ryan 1-0411
Richmond Hts 17, Mo, 6630 Clayton Rd Mission 7-6233
EASTMAN KODAK CO, 343 State St, Rochester 4, N Y Locust 2-6000
Chamblee, Ga, 4900 Peachtree Industrial Blvd GL 7-5211
Chicago 16, Ill, 1727 Indiana Ave WA 2-7541
Dallas 35, Tex, P O Box 35483 FL 1-3221
Los Angeles 13, Cal, 420 S San Pedro St TR 2941
N Y 21, 1334 York Ave TR 9-1500
Rochester 4, N Y, 1187 Ridge Rd W CO 6-2500
San Francisco 19, Cal, 241 Battery St EX 2-4780
Easy Industries, 210 N Racine Ave, Chicago 7, Ill MO 6-2239
(THE) EATON-DIKEMAN CO, Mt Holly Springs, Pa Hunter 6-3438
N Y 7, 50 Church St Digby 9-3600
Eberbach Corp, 505 S Maple Rd, Ann Arbor, Mich Normandy 2-5634
Eclipse Fuel Engrg Co, 1100 Buchanan, Rockford, Ill Woodland 8-3751
Eco Engrg Co, 12 New York Ave, Newark 1, N J Market 4-6565
Chicago 6, Ill, 205 W Wacker Dr Financial 6-0968
Houston 6, Tex, 3323 Mercer Jackson 9-2573
Los Angeles 21, Cal, 900 Santa Fe Ave Vandike 3302
Economy Engrg Co, 4511-4531 W Lake St, Chicago 24, Ill Esterbrook 8-9110
N Y 17, 342 Madison Ave Murray Hill 2-8948
Thomas A Edison Industries, Instrument Div, 56 Lakeside Ave, W Orange, N J Orange 3-6800
Dallas, Tex, 2520 W Mockingbird Lane Fleetwood 7-1380
Dayton 6, Ohio, 627 Salem Ave Crestview 7-2005
N Y 6, 21 West St Whitehall 3-3090
Park Ridge, Ill, 417 Devon Ave Spring 4-6648
Sherman Oaks, Cal, 14652 Ventura Blvd State 4-8281
Tampa, Fla, 3109 Bay to Bay Blvd 67-3291
Edmont Mfg Co, 1300 Walnut St, Coshocton, Ohio Main 2-1866
Edward Valves Inc, Subs Rockwell Mfg Co, 1200 W 145 St, E Chicago, Ind EX 7-3231
Chicago: Essex 5-1234
Atlanta 1, Ga, 1395 Northside Dr Trinity 6-2691
Bellevue, Wash, P O Box 229 Glencourt 4-8505
Birmingham 9, Ala, 1812 28 Ave S, Homewood Tremont 9-3462
Boston 10, Mass, 287 Congress St Liberty 2-3020
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 1873
Charlotte 3, N C, 300 E Tremont Ave Edison 3-4359
Cincinnati, Ohio, 3181 Linwood Rd Trinity 1-2288
Cleveland 20, Ohio, 1900 Euclid Ave Superior 1-6065
Detroit 16, Mich, 2615 12 St Woodward 1-2535
Houston 26, Tex, 1606 Maury St Capitol 4-0863
Indianapolis, Ind, 4000 E 16 St Fleetwood 6-8600
Kansas City, Mo, 1249 Burlington Ave Grant 1-4747
Los Angeles 15, Cal, 864 S Robertson Blvd Bradshaw 2-8151
Milwaukee 13, Wis, 3074 N 79 St Hilltop 2-3510
Minneapolis, Minn, 15312 Hwy 7 West 8-2711
N Y 17, 2712 Grand Central Terminal Lexington 2-9251
Phila, Pa, Forrest & Windsor Ave Mohawk 4-3860
Pittsburgh 8, Pa, 400 N Lexington Ave Churchill 1-8400
Richmond 19, Va, 615 E Franklin St 3-5357
Rochester 9, N Y, 1038 Winton Rd N Butler 2850
St Louis 17, Mo, 26 Hanley Industrial Ct Mission 7-3250
Tulsa 1, Okla, 3139 Sand Springs Rd G'bson 7-5144
Elberta Crate & Box Co, Lake Braford Rd, Tallahassee, Fla 2-2230
Electric Auto-Lite Co, Champlain St, Toledo 1, Ohio CH 3-3131
Electric Cord Co, 21 Spruce St, N Y 38 Worth 2-2528
Electric Hotpack Co, Inc, 5035 Cottman Ave, Phila 35, Pa Devonshire 3-1700
Electric Machy Mfg Co, 800 Central Ave Minneapolis 13, Minn FE 9-6751
Branches in all principal cities
Electric Steel Foundry Co, 2141 N W 25 Ave, Portland 10, Ore Capital 8-2141
Danville, Ill, 1017 Griggs St 6-2210
Denver 7, Col, 3940 Grape St FL 5-2349
Eugene, Ore, 1464 W 6 St DI 3-2585
Houston 1, Tex, 1212 Capitol St CA 4-1200
Los Angeles 22, Cal, 6415 E Corvette St RA 3-8601
N Y 17, 420 Lexington Ave OR 9-3240
Phoenix, Ariz 3807 Devonshire
(San Francisco) Emeryville, Cal, 1280 65 St OL 4-2732
Seattle, Wash, 1131 W Hanford St MA 3-4160
Spokane, Wash, N 1327 Washington St FA 5-4507
Electro-Air Cleaner Co, Inc, McKees Rock, Pa Spaulding 1-4900
Electro Chem Engr & Mfg Co, 750 Broad St, Emmaus, Pa Woodring 5-9061
Baton Rouge, La, P O Box 2083 Dickens 4-4054
(Chicago) Oak Park, Ill, 311 N Ridgewood Ave Euclid 3-1790
Electro Lift, Inc, 204 Sargeant Ave, Clifton, N J Gregory 1-0204
Elgin Softener Corp, 134 N Grove Ave, Elgin, Ill Sherwood 2-7210
Elliott Co, 900 N 4 St, Jeannette, Pa Lafayette 3-5422
Atlanta 5, Ga, 3127 Maple Dr N E Cedar 3-4421
Boston 35, 1330 Soldiers Field Rd Algonquin 4-2443
Buffalo 2, N Y, 525 Jackson Bldg Mohawk 3828

(Continued)

Charlotte, N C, 1707 Liberty Life Bldg Edison 3-9172
Chicago 46, Ill, 6100 N Pulaski Rd Cornelia 7-7800
Cincinnati 6, Ohio, 2337 Victory Pkwy Capitol 1-2035
Cleveland 14, Ohio, 1319 Natl City Bank Bldg Superior 1-9150
Dallas 6, Tex, 5738 Central Expwy Taylor 4-8119
Denver 3, Col, 220-655 Broadway Bldg Alpine 5-9722
Detroit 3, Mich, 800 W 7 Mile Rd Forest 6-5669
Grand Rapids 2, Mich, 900 Monroe, NW Glendale 8-0445
Houston 3, Tex, 1209 Hutchins St Capitol 8-8656
Indianapolis 18, Ind, 3721 N Keystone Ave Liberty 7-7881
Kansas City 14, Mo, 514 W 75 St Delmar 3-2688
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-1074
Milwaukee 3, Wis, 744 N 4 St Broadway 1-9191
Minneapolis 23, Minn, 2101 W 78 St Union 6-8795
(Newark) Bloomfield, N J, 400 Bicomfield Ave Pilgrim 3-2700
New Orleans 13, La, 256 Loe Circle Bldg Jackson 5-2662
N Y 13, 271 Church St Worth 6-5055
Phila 2, Pa, 226 S 16 St Bldg Kingsley 6-2215
Pittsburgh 19, Pa, 718 Frick Bldg Atlantic 1-5000
St Louis 3, Mo, 1221 Locust St Chestnut 1-6413
San Francisco 4, Cal, 2350 Equitable Life Bldg Sutter 1-2812
Seattle 1, Wash, 1101 Vance Bldg Main 3-6385
Tampa 2, Fla, 308 Tampa St 2-1167
Tulsa 3, Okla, 930 Mayo Bldg Diamond 3-4187
Washington 1, D C, Washington Gas Light Bldg Republic 7-3411

Elliott Co, Roto Div, 145 Sussex Ave, Newark, N J Humboldt 3-0570

Ellison Draft Gage Co, Inc, 548 W Monroe St, Chicago 6, Ill Randolph 6-2296

Elmes Engrg Div, American Steel Foundries, 1150 Tennessee Ave, Cincinnati 29, O Redwood 1-9210
Chicago 1, Ill, Prudential Plaza Superior 7-4080
N Y 17, 230 Park Ave Murrayhill 9-5730

Elwell-Parker Electric Co, 4201 St. Clair Ave Cleveland 3, Ohio UT 1-6200

Englehard Industries Inc, 113 Astor St, Newark, N J Bigelow 3-0030
Chicago, Ill, 55 E Washington St Financial 6-6288
Dallas 1, Tex, 1125 Mercantile Dallas Bldg, 1807 Commerce St Riverside 7-0206
Los Angeles, Cal, 111 Wilshire Blvd Huntley 2-1800
Miami, Fla, 925 Ingraham Bldg Franklin 9-8163
NYC, 477 Madison Ave Plaza 1-4242
San Francisco, Cal, 760 Market St Garfield 1-1447

Engineer Co, 75 West St, N Y 6 Whitehall 4-6675

Engineering Controls, Inc, 611 E Merceau St, St Louis 11, Mo Vernon 2-4000
Los Angeles 27, Cal, 1939 N Hillhurst Ave Normandy 3-9269

Equipment Engrs, Inc, 737 Loma Verde Ave, Palo Alto, Cal Davenport 1-1290

Equipto, Aurora, Ill 6-4641

Erie City Iron Works, 1422 East Ave, Erie, Pa 2-6421

Eriez Mfg Co, 285 Magnet Dr, Erie, Pa 4-0133
(Chicago) La Grange, Ill, 633 S La Grange Rd Fleetwood 2-9050
(Phila) Glenside, Pa, P O Box 178 Turner 4-0331

Ertel Engrg Corp, Kingston 15, N Y Federal 1-4552
N Y C, 40 W 42 St Plaza 7-1960

Esterline-Angus Co, Inc, P O Box 596, Indianapolis 6, Ind Chapel 4-3318

Evanite Plastic Co, 23 Newport Ave, Uhrichsville, Ohio

Evans Pipe Co, 23 Newport Ave, Uhrichsville, Ohio

Everlasting Valve Co, 49 Fisk, Jersey City 5, N J Delaware 3-8000

Everpure, Inc, 2627 W 19 St, Chicago 8, Ill Bishop 7-2627
Fairborn, O, 204 W Garland Ave Trojan 8-2824
Montclair, N J, 26 Park St Pilgrim 6-7711
Pittsburgh 22, Pa, 200 Magee Bldg Atlantic 1-8741

Exact Weight Scale Co, 545 E Town St, Columbus 15, Ohio Capital 4-6187
Branches in all principal cities

Exide Industrial Div, Electric Storage Battery Co, Rising Sun & Adams Ave, Phila 20, Pa Fidelity 2-8000
Atlanta 10, Ga, 1246 Allene Ave S W Plaza 8-2621
(Boston) Medford 55, Mass, 315 Mystic Ave Export 5-7979
Chicago 9, Ill, 5335 S Western Blvd Walbrook 5-9800
Cincinnati, O, 307 E 4 St Main 1435
Cleveland 14, Ohio, 2225 Hamilton Ave Cherry 1-6231
Dallas 1, Tex, 2133 McKinney Ave Riverside 1-9977
Denver 2, Colo, 234 Commonwealth Bldg Main 3-7793
Detroit 4, Mich, 8051 W Chicago Blvd Webster 3-7700
Kansas City 23, Mo, 179 S Belmont Blvd Benton 1-6300
Los Angeles 15, Cal, 1043 S Grand Ave Richmond 9-4436
Minneapolis 3, Minn, 1750 Hennepin Ave Federal 2-6441
New Orleans 12, La, 406 Civic Center Bldg Jackson 5-6035
N Y 36, 25 W 43 St Bryant 9-8100
Phila 4, Pa, 101 N 33 St Evergreen 2-5858
Pittsburgh 16, Pa, 1608 Potomac Ave Fieldbrook 1-2832
St Louis 8, Mo, 3928 Lindell Blvd Olive 2-1310
San Francisco 24, Cal, 6150 3 St Mission 7-3100
Seattle 1, Wash, 500 Wall St Main 3-1377
Washington 16, D C, 4000 Albemarle St NW Emerson 2-6800

Exolon Co, 1000 E Niagara St, Tonowanda, N Y Ludlow 4550
Chicago 40, Ill, 5252 N Bway Edgewater 4-500
Wayne, Pa Murray 8-0514
Wellesley Hills 82, Mass, 47 River St Cedar 7-9800

F

FMC Packaging Machy Div, (Stokes & Smith Plant), Food Machy & Chem Corp, 4976 Summerdale Ave, Phila 24, Pa CU 9-7000
Akron, N Y, 40 Hoag St 2785
Bklyn Hts 1, N Y, 48 Remsen St UL 8-5785
Charlotte 6, N C, 5411 Hilltop Circle ED 4-8636
Chicago 2, Ill, 5 N Wabash Ave CE 6-5774

Cochituate, Mass, 34 Lake Shore Drive Needham: 3-2970
Dallas 19, Tex, 3212 Oaklawn Ave LA 8-4715
Lakeland, Fla, Fairway Ave MU 4-4931
Oakland, Cal, P O Box 7095, Fruitvale Sta KE 3-4846
Toledo 2, Ohio, 1313 Jefferson Ave CH 2-1487

Fairbanks Co, 393 Lafayette St, N Y 3 Spring 7-8800
Boston 10, Mass, 520 Atlantic Ave Liberty 2-2000
Chicago 8, Ill, 2600 S Throop St Calumet 5-3600

Pittsburgh 22, Pa, 15 Stanwix St Court 1-1887
Rome, Ga, 202 Division St 9786

Fairbanks-Morse & Co, 600 S Michigan Ave Chicago 5, Ill Harrison 7-7100
Branches in all principal cities

Falcon Alarm Co, Inc, 243 Broad St, Summit, N J Crestview 3-6100

Falk Corp, Box 492, Milwaukee 1, Wis Division 2-3131
Arlington 74, Mass, 297 Bway MI 3-7542
Baltimore 12, Md, 4231 Greenmount Rd TU 9-4969

Birmingham 3, Ala, Rm 649, Brown-Marx Bldg FA 4-1433
Buffalo 21, N Y, 5550 Main St SP 4811
Chicago 3, Ill, 105 W Adams St ST 2-6686
Cincinnati 2, Ohio, 609 American Bldg MA 1-2364
Cleveland 15, Ohio, 2036 E 22 St, Rm 215 MA 1-0074
Denver 3, Col, 655 Broadway Bldg AC 2-4707
Detroit 20, Mich, 22932 Woodward Ave JO 4-6292
Indianapolis 5, Ind, 2132 E 52 St CL 5-5434
Milwaukee 1, Wis, P O Box 492 DI 2-3131
Newark 2, N J, 100 Parkhurst St BI 2-5300
N Y 17, 200 E 42 St Rm 2800 Murray Hill 2-0733
Pittsburgh 19, Pa, 300 Mt Lebanon Blvd, Suite 200B Locust 3-1754
St Louis 5, Mo, 8029 Forsyth Blvd PA 5-8300
Schenectady 5, N Y, P O Box 220 FR 2-2166
W Hartford, Conn, 993 Farmington Ave AD 2-6650
Youngstown 12, Ohio, 6911 Market St SK 8-2550

Falls Industries, Inc, Aurora Rd, Solon, O CH 8-4343

Falstrom Corp, 166 Falstrom Ct, Passaic, N J PR 7-0013

Fansteel Metallurgical Corp, 2200 Sheridan Rd, N Chicago, Ill Dexter 6-4900

Farley & Loetscher Mfg Co, Plastics Div, 7 & White St, Dubuque, Iowa 2-5451

Farris Engrg Corp, 400 Commercial Ave, Palisades Park, N J Windor 4-6300

Farris Flexible Valve Corp, 400 Commercial Ave, Palisades Park, N J Windor 4-6300
Houston, Tex, 5405 Clinton Dr Orchard 2-7557

Farval Corp, 3300 E 80 St, Cleveland 4, Ohio Vulcan 3-4560

Fenwal, Inc, Pleasant St, Ashland, Mass Trinity 5-4111
Los Angeles 57, Cal, 111 S Burlington Ave Dunkirk 8-3168
Oak Park, Ill, 6525 W North Ave Estebrook 9-0544

Harry J Ferguson Co, 115 West Ave, Jenkintown, Pa Turner 4-4401
N Y C, 55 W 42 St Longacre 6-3125
S Orange, N J, 296 Melrose Pl 3-6032

Ferranti Elec, Inc, 30 Rockefeller Plaza, N Y 20
Electronic Div, 95 Madison Ave, Hempstead, N Y IV 3-8244

Fibercast Co, Div Youngstown Sheet & Tube, 100 S Lincoln, P O Box 727, Sand Springs, Okla CI 5-1301
Chicago, Ill, 111 W Washington St Franklin 2-5470
Houston, Tex, 1350 Esperson Blvd Fairfax 3-1325
Pittsburgh, Pa, 2 Gateway Center Atlantic 1-2350
Tulsa, Okla Circle 5-1301

Filtration Engrs Div, American Mach & Metals, Inc, E Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave WA 2-8072
N Y 7, 233 Broadway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333G St NW Republic 7-3875

Filtration Fabrics Div, American Mach & Metals, Inc, E Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y 7, 233 Broadway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333 G St NW Republic 7-3875

Filtros, Inc, W Commercial St, E Rochester, N Y Ludlow 6-8770

Firmaline Products, Inc, 8 Pierce Ave Midland Park, N J Gilbert 4-1156

First Machy Corp, Falcon Mfg Div, 209-289 10 St, Bklyn 15, N Y Sterling 8-4672

Fischer & Porter Co, 275 Warminster Rd, Hatboro, Pa Osborne 5-6000
Branches in all principal cities

FISHER SCIENTIFIC CO, 212 Fisher Bldg, Pittsburgh 19, Pa Express 1-1330
Buffalo 2, N Y, 170 Franklin St Washington 5303

Cambridge 38, Mass, 18 Brattle St University 4-5013
Charleston 1, W Va, 1033 Quarrier St Bldg Dickens 3-0671
Chicago 51, Ill, 1458 N Lamon Ave Columbus 1-1221
Cleveland 14, Ohio, 1950 E 6 St Main 1-8581
Detroit 26, Mich, 149 Michigan Ave Woodward 1-9711
King of Prussia, Pa, Gulph Rd (Rt 23) Broadway 9-0500
N Y 14, 635 Greenwich St Watkins 4-7200
St Louis 18, Mo, 2850 S Jefferson Ave Mohawk 4-2624
Silver Spring, Md, 7722 Woodbury Dr Juniper 7-7000

Flexaust Co, 100 Park Ave, N Y 17 Oregon 9-1300

Flexible Tubing Corp, New Whitfield St, Guilford, Conn GL 3-2777
Anaheim, Cal, 305 Crescent Wy Prospect 4-9934
Dallas 35, Tex, 2703 Bomar Ave Fleetwood 7-6613
Hillside, Ill, 4242 Warren Ave Linden 4-8850

Flexi-Liner Co, 48 S Raymond St, Pasadena, Cal Sycamore 6-3177
Decatur, Ill, 359 E Main St 8-4365

Flexonics Corp, 1362 S 3 Ave, Maywood, Ill Fillmore 3-8000
Boston 10, Mass, 10 High St Hancock 6-0952
Buffalo, N Y, 83 Angle Rd Idlewood 5862
Cincinnati 37, Ohio, 1717 Section Rd Redwood 1-8280
Cleveland 9, O, 2012 W 25 St, Rm 818 Superior 1-9122
Dallas 25, Tex, 6631 Vandera
Decatur, Ga, 522 N McDonough St Drake 7-1100
Elizabeth, N J, 980 DeHart Pl Cortlandt 7-4301
Ft Worth, Tex, 503 Insurance Bldg Edison 6-2901
Inkster, Mich, 2525 Beech-Daly Rd Logan 5-6200
Los Angeles, Cal, Delhi & Howard Blvd
Memphis 9, Tenn, 2021 S Lathan St Whitehall 8-0382
Milwaukee 1, Wis, 161 W Wisconsin Ave Broadway 2-1868
San Francisco 24, Cal, 1485 Bayshore Blvd Delaware 3-0573
Santa Ana, Cal, 3324 W Delhi Rd Madison 6-5678
Seattle, Wash, 18615 4 Ave S Cherry 2-2243
Wichita 14, Kans, 4055 Christy MU 4-3113

Flexoveyor Mfg Co, 1220 S Acoma St, Denver 23, Col Race 2-0805

Flint Steel Corp, P O Box 1289, Tulsa, Okla Luther 4-36211

Flood City Brass & Elec Co, Messenger & Elder Sts, Johnstown, Pa 7-8919

Flori Pipe Co, 5700 Bulwer St Louis 15, Mo EV 1-3800
Burbank, Cal, P O Box 907 Victoria 9-2595
N Y 36, 15 W 44 St Murray Hill 7-5625
Tulsa, Okla, 310 Thompson Bldg Luther 4-3139

Flowline Corp, Butler Rd, P O Box 860, New Castle, Pa Oliver 4-5541
Denver, Colo, 1321 Bannock St Keystone 4-4911
Houston 36, Tex, 5510 Edith St Madison 3-6422
Los Angeles 22, Cal, 4781 E 3 St Angeles 8-3676
N Y 7, 233 Bway Worth 2-6669
Seattle, Wash, 1043-45 6 Ave Main 3-8121
Tulsa, Okla, Box 3325 Temple 5-7575

Fluorulon Labs, Inc, 174A Passaic Ave, Caldwell Township, N J CA 6-8228

Fly Ash Arrestor Corp, 268 N 1 St, Birmingham, Ala Alpine 2-2181
N Y 17, 420 Lexington Ave Oregon 9-5280

Food Machy & Chem Corp,
See separate listings by divisions:
John Bean Div
FMC Packaging Machy Div
Peerless Pump Div

Ft Wayne Corrugated Paper Co, 130 E Douglas Ave, Ft Wayne, Ind Anthony 4383
Chicago 32, Ill, 4500 S Kolin Ave Virginia 7-3470
Hartford City, Ind, N Water St 900
McKees Rocks, Pa, 1360 Island Ave Federal 1-1818
N Y 17, 122 E 42 St Oxford 7-9640
Rochester 6, N Y, 1240 Mt Read Blvd Glenwood 3-8342

Foster Engrg Div, Warwick Industrial Pk, Warwick, R I Stuart 1-6200

Foster Wheeler Corp, 666 5 Ave, N Y 19 JU 2-6600
Atlanta 5, Ga, P O Box 436, Northside Br Cedar 7-0311

Boston 10, Mass, 80 Federal St Hancock 6-0117
Chicago 3, Ill, 105 W Adams St Randolph 6-8673
Cleveland 14, Ohio, Leader Bldg Main 1-8225
Dallas 1, Tex, 505 N Ervay St Riverside 8-2442
Detroit 26, Mich, Michigan Bldg Woodward 1-4495
Houston 2, Tex, 711 Main St Capital 2-7364
Kansas City 5, Mo, 1060 Board of Trade Bldg Harrison 1-1575
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-7839
Phila 2, Pa, Packard Bldg Rittenhouse 6-2888
Pittsburgh 22, Pa, Oliver Bldg Atlantic 1-4887
Rochester 7, N Y, 36 Winthrop St Baker 5-8689
San Francisco 5, Cal, 461 Market St Garfield 1-6042
Seattle 1, Wash, Vance Bldg, 3 & Union Sts Maine 7437
Washington 5, D C, Tower Bldg District 7-2022

Fostoria Pressed Steel Corp, N Main St, Fostoria, Ohio Hemlock 5-7721
Carmel, Cal, P O Box 4236 Mayfair 4-2977
Chicago 10, Ill, 539 W North Ave Mohawk 4-5590
Detroit 35, Mich, 18627 James Couzens Hwy Diamond 1-8543
Madison, N J, 4 Green Village Rd Frontier 7-0914

Foxboro Co, 38 Neponset Ave, Foxboro, Mass Capital 7-1260
Atlanta 5, Ga, 3224 Peachtree Rd N E Cedar 7-6437
Cleveland 7 0, 1579 W 117 St Academy 6-1060
Dallas 18, Tex, 11710 E Northwest Hwy Davis 7-4531
Denver 6, Colo, 2829 E 2 Ave Dexter 3-4297
Houston 6, Tex, 2518 S Blvd Jackson 8-5431
N Y 17, 420 Lexington Ave Lexington 2-4682
Pittsburgh 5, Pa, 2270 Noblestown Rd Walnut 2-3000

Frazier & Son, 20 Industrial W, Clifton, N J Prescott 8-4927

Frick Co, W Main St, Waynesboro, Pa 1245
Atlanta 3, Ga, 1003-4 Mortgage Guarantee Bldg Jackson 2-4563
Boston 15, Mass, 419 Commenwealth Ave CO 7-1313
Charlotte 2, N C, 1013 Independence Bldg ED 2-5742
Cincinnati 2, Ohio, 2409-10 Carew Tower Main 1-2070
Dallas 1, Tex, 805 Tower Petroleum Bldg Riverside 2-6373
Kansas City 8, Mo, 611 Marchandise Mart Bldg Harrison 1-6066
Los Angeles 14, Cal, 656 S Los Angeles St Rm 702 Madison 2-9632
Memphis 3, Tenn, 1012 Sterick Bldg JA 5-1213
New Orleans 12, La, 501 Pan American Bldg, 610 Poydras St Tulane 2003
N Y 17, 370 Lexington Ave Murray Hill 3-1936
Orlando, Fla, Jacklind Bldg, 205 E Jackson St Cherry 1-1711
Palo Alto, Cal, 825 San Antonio Rd Davenport 1-1682
Phila 4, Pa, 408 Wilford Bldg, 33 & Arch Sts Baring 2-7112
Pittsburgh 22, Pa, 907 Empire Bldg Atlantic 1-4025
St Louis 3, Mo, 1221 Locust St Garfield 1-2234
Washington 5, D C, 1226-27 Shoreham Bldg Executive 3-1737

Fruehauf Trailer Co, 10948 Harper, Detroit 32, Mich WA 1-2410
Branches in all principal cities

►FULLER CO, SUBS GENERAL AMERICAN TRANSPORTATION CORP, 144 Bridge St
Catasauqua, Pa Congress 4-2841
Birmingham 3, Ala, 2000 1 Ave Fairfax 3-3068
Chicago 3, Ill, 135 S LaSalle St Dearborn 2-5024
Kansas City 15, Mo, 20 on the Mall, Prairie Village EN 2-2345
Los Angeles 36, Cal, 5225 Wilshire Blvd Webster 3-7126
N Y 17 380 Madison Ave Oxford 7-2525
San Francisco 4, Cal, 617 Chancery Bldg, 564 Market St Yukon 6-5486
Seattle 9, Wash, Northwestern Life Bldg, 120 6 Ave N Mutual 2-3131
See also separate listings by divisions:
Lehigh Fan & Blower Div
Sutorbilt Corp
Traylor Engrg & Mfg Co

Fulton-Sylphon Div, Robertshaw-Fulton Controls Co, P O Box 400, Knoxville 1, Tenn 4-1641
Baltimore 18, Md, 3411 Old York Rd, Belmont 5-9306
(Boston) Cambridge 42, Mass, 238 Main St Trowbridge 6-5577
Camden 3, N J, 22 Haddon Ave Woodlawn 6-2498
Cincinnati 36, Ohio, 8005 Plainfield Pike, Tweed 1-6072
Cleveland, Ohio, 1991 Lee Rd Yellowstone 2-6242
Detroit 21, Mich, 8406 W McNichols Rd University 3-2400
(Los Angeles) Lynwood, Cal, 3101 Imperial Hwy Nevada 6-9791
Washington 6, D C, 734 15 St NW District 7-1397

G

Gaertner Scientific Corp, 1260 Wrightwood Ave, Chicago 14, Ill Buckingham 1-5335

Galigher Co, 545-585 W 8 S, P O Box 209, Salt Lake City 10, Utah Elgin 9-8731
Jersey City 6, N J, 921 Bergen Ave Oldfield 3-0859

Galland-Henning Mfg Co, 2753 S 31 St, Milwaukee 46 Wis Mitchell 5-6000

Gardner Lab, Inc, P O Box 5728-C Bethesda 14, Md Oliver 6-3600

Gardner-Denver Co, S Front St, Quincy, Ill Baldwin 2-5400
Branches in all principal cities

Garlock Packing Co, 402 Main St, Palmyra, N Y Lyric 7-4811
Birmingham 1, Ala, 519 S 19 St Fairfax 4-7666
Boston, 10, Mass, 80 Broad St Hancock 6-4590
Chicago 6, Ill, 600 W Jackson Blvd Randolph 6-6716
Cleveland 13, Ohio, 1276 W 3 St Main 1-0310
Detroit 11, Mich, 2781 E Grand Blvd Trinity 3-6160
Houston 3, Tex, 2439 Sabine St Fairfax 3-6368
Los Angeles 21, Cal, 2303 E 8 St Madison 7-8448
Phila 2, Pa, 20 S 15 St Locust 7-7010
Pittsburgh 22, Pa, 933 Penn Ave Court 1-2222
St Louis 8, Mo, 3635 Forest Park Blvd Olive 2-3157
San Francisco 7, Cal, 750 18 St Hemlock 1-0370

Gas Atmospheres, Inc, 20011 Lake Rd, Cleveland 16, Ohio Edison 1-7070

Gas Machy Co, 16130 Waterloo Rd, Cleveland 10, Ohio Kenmore 1-1130

Gates Engrg Co, 100 S West St, Wilmington, Del OL 6-9951

Gates Rubber Co, 999 S Bway, Denver 16, Colo Sherman 4-1911
Branches in all principal cities

Gaylord Container Corp, Div Crown Zellerbach Corp, 111 N 4 St, St Louis 2, Mo Central 1-4600
Branches in all principal cities

General American Transportation Corp, 135 S Lasalle St, Chicago 90, Ill FI 6-4100
Birmingham, Ala, P O Box 1870 Victor 1-5562
Buffalo, N Y, 2008 Rand Bldg Mohawk 1684
Cleveland, Ohio, 1307 Terminal Tower Bldg Prospect 1-1391
Dallas, Tex, First Natl Bank Bldg Riverside 7-0402
Houston, Tex, 919 Bank of the SW Bldg Capital 4-2691
Los Angeles, Cal, 900 Wilshire Blvd Madison 8-1357
Louisville 2, Ky, 139 S 4 St Juniper 7-1331
New Orleans, La, 210 Baronne St Jackson 5-8503
N Y C, 380 Madison Ave Oxford 7-2525
Pittsburgh, Pa, 2612 Koppers Bldg Grant 1-3101
(Salt Lake City) Orem, Utah, P O Box 97 Franklin 3-8520
St Louis, Mo, 915 Olive St Chestnut 1-8525
San Francisco, Cal, 235 Montgomery St Douglas 2-8222
Seattle, Wash, Joseph Vance Bldg, 3 & Union Main 2-1212
Tulsa, Okla, 1005 First Natl Bank Bldg Cherry 2-6137

General Blower Co, 8618 Ferris Ave, Morton Grove, Ill Orchard 4-1414

General Box Co, 1879 Miner St, Des Plaines, Ill Vanderbilt 4-4181
Cincinnati 17, Ohio, 4811 Vine St Avon 1-0863
Dallas 21, Tex, 2011 Cedar Springs Riverside 2-6665
Denville, N J, 30 Estling Rd Oakwood 7-2266
Detroit 10, Mich, 7175 Clayton Ave Vinewood 1-5485
E St Louis, Ill, 1101 Converse Ave Bridge 1-6050
Houston 26, Tex, 2324 Maury St Capital 4-9313
Kansas City 1, Mo, 1600 W 8 St Victor 2-5560
Louisville 1, Ky, 16 & Maple Sts Juniper 7-6961
Meridian, Miss, P O Box 1391 8126
Milwaukee 1, Wis, 100 N Marshall St Broadway 1-20-2
Nashville 6, Tenn, 1001 W Kirkland Ave Canal 8-3415
Sheboygan, Wis, 1560 N 17 St Glencourt 7-7791
Winchendon, Mass, Franklin St 304

General Ceramics Corp, (Chemical Equipment Div), Crows Mill Rd, Keasbey, N J Valley 6-5100

General Controls Co, 801 Allen Ave, Glendale 1, Cal TH 2-7191
Branches in all principal cities
See also separate listing by division:
Hammel-Dahl

General Elec Co, 570 Lexington Ave, N Y C Plaza 1-1311
Apparatus Sales Div, 1 River Rd, Schenectady 5, N Y Franklin 4-2211
Branches in all principal cities

Metallurgical Products Dept, 11177 E 8 Mile Dr, Detroit 32, Mich JE 6-9100
Atlanta 5, Ga, 3230 Peachtree Rd N E Cedar 7-8086
Chicago 9, Ill, 4117 S Western Blvd Cliffside 4-8686
Cleveland 3, Ohio, 4707 Euclid Ave Henderson 2-2650
Kenilworth, N J, 760 Colfax Ave Chestnut 5-7250
Los Angeles 18, Cal, 2106 W Washington Blvd Republic 1-3286
X-Ray Dept, 4855 Electric Ave, Milwaukee 1, Wis Evergreen 3-3211

General Metals, Inc, 858 Goldsboro St, Box 449, Greensboro, N C BR 4-5451

General Motors Corp, Frigidaire Div, Dayton 1, Ohio Baldwin 3-1161
Harrison Radiator Div, Lockport, N Y 3-2611

General Radio Co, Baker Ave, W Concord, Mass Emerson 9-4400
Abington, Pa, 1150 York Rd Hancock 4-7419
(Chicago) Oak Park, Ill, 6605 W North Ave Village 8-9400
Los Altos, Cal, 1186 Los Altos Ave Whitecliff 8-8233
Los Angeles 38, Cal, 1000 N Seward St Hollywood 9-6201
Ridgefield, N J, Broad Ave & Linden Whitney 3-3140
Silver Spring, Md, 8055 13 St Juniper 5-1088

General Scientific Equipment Co, Limekiln Pike & Williams Ave, Phila 50, Pa Hancock 4-1550

Geuder, Paeschke & Frey Co, 324 N 15 St, Milwaukee 1, Wis Division 4-3000

Gifford-Wood Co, 1 Hudson Ave, Hudson, N Y 8-1511
Chicago 6, Ill, 565 W Washington St Central 6-9291
Cleveland 20, Ohio, 3537 Lee Rd Skyline 1-7050
N Y 17, 420 Lexington Ave Lexington 2-5248
St Louis 1, Mo, Railway Exchange Bldg Central 1-6903

►GILMAN PAPER CO, 630 5 Ave, N Y 20 Circle 7-2860
Chicago 6, Ill, Daily News Bldg Financial 6-4477

Girdler Process Equipment Div, Chemetron Corp, 334 E Broadway, Louisville 1, Ky Juniper 7-7553
Chicago, Ill, 855 Board of Trade Bldg Webster 5-5395
Marietta Ga, 206 Roswell St
Newark, O, 239 Newton Ave
N Y 5, 150 Broadway Worth 2-4184
San Francisco 4, Cal, 2612 Russ Bldg Garfield 1-2594

Glover Coating Co, Inc, 376 Washington St, Malden, Mass Davenport 2-6349

►GOODALL RUBBER CO,
Whitehead Rd, Trenton 4, N J Juniper 7-4000
(Atlanta) Decatur, Ga, 904 School Dr ME 6-1873
Boston 9, Mass, 220 Milk St HA 6-5667
Charlotte 9, N C, 526 Scalybark Rd FR 5-2531
Chicago 6, Ill, Rm 550, 20 N Wacker Dr State 2-8123
Denver, Col, 1033 Sante Fe Dr Keystone 4-8285
Detroit, Mich, 6470 E Jefferson Ave LO 7-6600
Houston 24, Tex, 3550 W 12 St, P O Box 1408 Underwood 4-2691
Indianapolis, Ind, 627 N East St Melrose 2-7856
Kansas City, Mo, 2201 Truman Rd BE 1-5005
Los Angeles, Cal, 2939 E 11 St Angelus 3-6723
Melrose Pk, Ill, 2050 N Hawthorne Ave Fillmore 3-4380
Miami, Fla, 5426 N W 7 Ave Plaza 7-5391
Milwaukee, Wis, 3100 W Cherry St DI 4-4292
N Y 20, 1270 Ave of Americas Judson 2-0986
Phila 4, Pa, 5 S 36 St EV 6-9500
Pittsburgh, Pa, 3501-5 Bigelow Blvd MU 1-1800
Portland, Ore, 1111 N W 16 Ave CA 7-1259
St Paul, Minn, 2447 University Ave MI 6-4569
Salt Lake City, Utah, 631 S 2 St, W EL 5-7437
S San Francisco, Cal, 221 E Grand Ave PL 6-5466
Seattle, Wash, 1701 4 Ave S Main 2-8527
Stuart, Fla, 417 S Rte A1A Stuart 200
Trenton 4, N J, Whitehead Rd, P O Box 631 Juniper 7-4000

B F Goodrich Industrial Products Co, Plastic Products: Marietta, Ohio Frontier 3-6611

Rubber Products: 500 S Main St, Akron 18, Ohio Blackstone 3-1171
Allen Park, Mich, 16500 Oakwood Blvd Crestwood 8-7000
Atlanta 6, Ga, 1721 DeKalb Ave, N E Drake 8-4561
(Boston) Needham Hts 94, Mass, 100 2 Ave Hillcrest 4-6100
Chicago 44, Ill, 4646 W Lake St Estebrook 8-8800
Columbus 14, Ohio, 3770 Indianola Ave Amherst 8-8631
Dallas 2, Tex, 1400 Turtle Creek Blvd Riverside 1-5601
Denver 4, Col, 2500 W 8 Ave Tabor 5-1267
Kansas City 15, Kan, 830 Kindelberger Rd Mayfair 1-4400
Los Angeles 22, Cal, 3525 S Garfield Ave Raymond 3-6692
Minneapolis 16, Minn, 800 Turners Crossroads Liberty 5-2507
N Y 17, 230 Park Ave Oregon 9-0330

(Continued)

B F Goodrich Industrial Products Corp (continued)
Phila 34, Pa, 955 E Erie Ave Jefferson 3-9405
San Francisco 42, Cal, 1950 Army St Atwater 2-9620
Seattle 4, Wash, 1 Hanford St Mutual 2-4307

German-Rupp Co, 305 Bowman St, Mansfield, Ohio LA 4-4211

Goshen Rubber Co, Inc, 639 E Iowa St, Goshen, Ind 3-1111

Goslin-Birmingham Mfg Co, P O Box 631, Birmingham 1, Ala Fairfax 4-7511

J D Gould Co, 4707 Massachusetts Ave, Indianapolis 18, Ind Liberty 7-5289

Goulds Pumps, Inc, 200 Fall St, Seneca Falls, N. Y. Logan 8-5811
Atlanta 9, Ga, 15 Peachtree Pl, N W, Suite 1 Trinity 6-7378
Boston 46, Mass, 1330 Beacon St Beacon 2-7640
Buffalo 21, N Y, 5475 Main St Spring 9066
Chicago 4, Ill, 53 W Jackson Blvd Harrison 7-1301
Haverford, Pa, 354 Lancaster Ave Midway 9-3600
Houston 2, Tex, 2314 Main St Jackson 9-2685
N Y C, Rm 1306 347 Madison Ave Murray Hill 9-7466
Phila 31, Pa, 2099 N 63 St Trinity 7-8760
Pittsburgh 22, Pa, Rm 512 Bessemer Bldg, 104 6 St Atlantic 1-0595
Tulsa, Okla, 543 E Apache St Rm 201, P O Box 6157 Fillmore 5-7554

Graham Mfg Co, Inc, 170 Great Neck Rd, Great Neck, L I, N Y Hunter 2-5200
San Francisco, Cal, 1204 Russ Bldg

Graham Transmissions, Inc, Menomonee Falls, Wis 3600

Granberg Corp, 1308 67 St, Oakland 8, Cal Olympic 2-8847
Chicago 12, Ill, 2021 W Hubbard St Chesapeake 3-1922
N Y 17, 489 5 Ave Murray Hill 2-2492
S Gate, Cal, 8997 State St Lorain 7-4880

(The) Granet Corp, 22 Loring Dr, Framingham, Mass Trinity 3-3521

Graver Tank & Mfg Co, Inc, Div Union Tank Car Co, 4809-11 Tod Ave, E Chicago, Ind EX 7-0204
Chicago: SA 1-7050
Arcadia, Cal, 1135 W Huntingdon Dr Hillcrest 6-4734
Los Angeles: Murray 1-8978
Atlanta 3, Ga, 84 Peachtree St NW Jackson 3-2535
Chicago 4, Ill, 332 S Michigan Ave Wabash 2-8893
Detroit 8, Mich, 2591 W Grand Blvd Trinity 5-5300
Houston, Tex, 5343 McCormick Ave Walnut 6-1763
Jenkintown, Pa, The Benson Turner 7-1111
New Orleans 12, La, 1202 Richards Bldg Magnolia 5643
N Y 17, 424 Madison Ave Murray Hill 8-8181
Phila, Pa Livingston 8-1105
Pittsburgh 19, Pa, 330 Grant St Atlantic 1-3894
Salt Lake City 10, Utah, P O Box 2457 Davis 8-9408
San Francisco 4, Cal, 155 Montgomery St Garfield 1-8948
Seattle 1, Cal, 669 White-Henry-Stuart Bldg Main 2-6950
Tulsa 3, Okla, 310 Thompson Bldg Gibson 7-4131

Graver Water Conditioning Co, Div Union Tank Car Co, 216 W 14 St, N Y 11 Watkins 4-2321
Boston, Mass, 6 Beacon St, Capitol 7-9414
Chicago 1, Ill, 228 N LaSalle St Central 6-4709
Cincinnati 38, Ohio, 3427 Corrine Ave Montana 1-4335
Cleveland 14, Ohio, 320 Citizens Bldg Tower 1-0080
Detroit 35, Mich, 16881 James Couzens Hwy University 4-7013
Phila 2, Pa, 1041 Commercial Trust Bldg Rittenhouse 6-8611

Gray Co, Inc, 57 11 Ave N E, Minneapolis 13, Minn Federal 6-9331
Atlanta 6, Ga, 1223 Spring St, N W Federal 6-9331
Chicago 5, Ill, 1134 S Michigan Ave Wabash 2-0290
Detroit 6, Mich, 2699 W Grand Blvd Trinity 3-6900
Houston 3, Tex, 1913 Leeland Ave Capitol 7-1771
Long Island City 6, N Y, 34-55 11 St Ravenswood 6-7620
Phila 30, Pa, 2124 Fairmount Ave Stevenson 7-2722
San Francisco 3, Cal, 141 11 St Market 1-5941

Great Southern Wirebound Box Co, P O Box 229A Magnolia, Miss 3581

Great Western Mfg Co, 208-220 Choctaw St Leavenworth, Kan Mutual 2-2291

A P Green Fire Brick Co, Mexico, Mo JU 1-5000
Chicago 32, Ill, 4620 S Tripp Ave Cliffside 4-6190
Cleveland 31, O, 6950 Granger Rd Lafayette 4-4841
Dallas 22, Tex, P O Box 6223 Whitehall 8-7578
Houston 1, Tex, 3600 Clinton Dr Capitol 5-0679
N Y 7, 50 Church St Barclay 7-9724
San Francisco 7, Cal, 580 Indiana St Atwater 2-9166
Seattle 4, Wash, 1212 6 Ave S Mutual 3636
St Louis 1, Mo, 2064 Railway Exch Bldg GA 1-5108

Greene, Tweed, & Co, North Wales, Pa Oxbow 9-4821
Chicago, Ill, 333 N Michigan Ave Franklin 2-7100
Cincinnati, Ohio, 307 E 4 St Garfield 1-1230
Cleveland, Ohio, 316 Marion Bldg Superior 1-1855
Detroit, Mich, 1761 Natl Bank Bldg Woodward 2-3524
Mt Vernon, N Y, 10 Fiske Pl 8-6400

Greenville Tubes, Inc (Subs Edwin L Wiegand Co), P O Box 30, Greenville, Pa Mitchell 6-3200

►GREIF BROS COOPERAGE CORP
175 E Hoffman Ave, P O Box 398, Lindenhurst, L I, N Y Turner 8-1600

Grinnell Co, Inc, 277 W Exchange St, Providence 1 R I Temple 1-7000
Atlanta 2, Ga, 645 Northside Dr N W Jackson 4-6201
Buffalo, N Y, 1374 Clinton St Fairview 6111
Charlotte 8, N C, 1431 W Morehead St Franklin 6-4431
Chicago 9, Ill, 4425 S Western Ave Virginia 7-1500
Chillicothe, Ohio, 350 S Douglas Ave Prospect 4-3351
Cincinnati 29, Ohio, 3253 Fredonia Ave University 1-7772
Cleveland 3, Ohio, 1294-96 E 55 St Henderson 1-4311
Cranston 7, R I, 1341 Elmwood Ave Stuart 1-9200
Dallas 2, Tex, 161 Glass St Riverside 8-3351
Great Falls, Mont, 12 3 St NW
Houston 1, Tex, 1121 Rothwell St Capitol 7-2263
Kansas City 16, Mo, 2316 Burlington Ave Baltimore 1-3010
Milwaukee 1, Wis, 1819 W St Paul Ave West 3-7040
Minneapolis 15, Minn, 623 Washington Ave S Federal 2-0321
New Orleans 25, La, 7136 Washington Ave Galvez 3125
N Y 22, 400 Park Ave Plaza 1-6700
Phila 34, Pa, Erie Ave & D St Garfield 5-5850
Pittsburgh 33, Pa, 1020 Ridge Ave
St Louis 10, Mo, 1615 S Kings Hwy Prospect 1-4925

(The) Griscom Russell Co, Massillon, Ohio Temple 2-7421
(Chicago) La Grange, Ill, P O B 307 Fleetwood 2-6294
Houston 25, Tex, Rm 1211 Prudential Bldg, 1100 E Holcombe Blvd Jackson 3-7483
Los Angeles 41, Cal, Suite 215, 2173 Colorado Blvd Clinton 5-1441
N Y 17, 285 Madison Ave Lexington 2-3431
Phila 10, Pa, 1317 Land Title Bldg Rittenhouse 6-1880
Schenectady, N Y, 171 Jay St Franklin 7-7011

Gruendler Crusher & Pulverizer Co, 2915 N Market St, St Louis 6, Mo Jefferson 1-1220

B F Gump Co, 1347 S Cicero Ave, Chicago 50, Ill Bishop 2-3050

T J Gundlach Mach Co, 226 Centreville Ave Belleville, Ill Adams 3-7208

Gustin-Bacon Mfg Co, 210 W 10 St, Kansas City 5, Mo Harrison 1-7788
Atlanta, Ga, 1430 W Peachtree St, N W TR 5-8657
Chicago 1, Ill, Prudential Plaza MI 2-3444
Dallas, Tex, Exchange Bank Bldg Fleetwood 2-8107
Houston, Tex, 5531 Armour Dr WA 6-2671
Los Angeles, Cal, 714 W Olympic Blvd RI 9-6321
N Y 17, 230 Park Ave MU 4-0130
Phila, Pa, 401 N Broad WA 5-4412
San Francisco, Cal, 111 W Sutter EX 2-2456

H

Hallikainen Instruments, 1341 7 St, Berkeley 10, Cal LA 4-1757

A E Halperin Co, Inc, 75-87 Northampton St, Boston 18, Mass HI 5-5550

Hamer Valves, Inc, Box 1851, Long Beach, Cal GA 7-5491

Hamilton Caster & Mfg Co, 1536 Dixie Hwy, Hamilton, Ohio Twinbrook 3-6197

Hammel-Dahl, Div General Controls Co, Warwick Industrial Park, Warwick, R I Stuart 1-6200
Atlanta, Ga, 1479 Spring St NW
Buffalo 23, N Y, 960 Kenmore Ave
Cleveland 3, Ohio, 4317 Chester Ave
Denver 4, Col, 1162 Elati St
Glendale, Cal, 801 Allen Ave
N Y 17, 205 E 42 St
Skokie, Ill, 8080 McCormick Blvd
Tulsa 20, Okla, 1316 S Peoria Ave
Wilmington 1, Del, 1000 Washington St

Handy & Harman, 82 Fulton St, N Y 38 Beekman 3-2460
Chicago 2, Ill, 55 E Washington St Central 6-6332
Chicago 22, Ill, 1900 W Kinzie St Seely 3-1234
Cleveland 26, O, 4402 W 215 St Edison 3-2166
Detroit 35, Mich, 19363 James Couzens Hwy Vermont 8-8480
(Los Angeles) El Monte, Cal, 330 N Gibson Rd Gilbert 3-8181
N Y 36, 44 W 46 St, Beekman 3-2460
Providence 3, R I, 425 Richmond St Jackson 1-4100

Hanna Engrg Works, 1767 Elston Ave, Chicago 22, Ill Brunswick 8-2710

Hanovia Lamp Div see Engelhard Industries, Inc

Hapman Conveyors, 630 Gibson St, Kalamazoo, Mich Fireside 3-1675

Hardinge Co, Inc, 240 Arch St, York, Pa 33821
Chicago 6, Ill, 205 W Wacker Dr FR 2-4182
Hibbing, Minn, P O Box 368 Amherst 2-2825
N Y 17, 122 E 42 St Oxford 7-3590
Salt Lake City 15, Utah, 393 W 14 South St Hunter 4-5151
San Francisco 11, Cal, 24 California St Yukon 2-6920

Harrison Radiator Div, General Motors Corp, Washburn St, Lockport, N Y 3-2611

Hart Reduction Pulley Co, 1116 Adams St, Waukesha, Wis Liberty 7-4073
Chicago 49, Ill, 3105 E Cheltenham Pl South Shore 8-3346
Los Angeles 43, Cal, 13925 W Slanson Ave Axminster 3-5301
Midland Park, N J, P O Box 3 GI 4-9130

Hartzell Propeller Fan Co, S Downing St, Piqua, Ohio PR 3-7411

Harvey Aluminum, 19200 S Western Ave, Torrance, Cal Nevada 6-2111
Atlanta 9, Ga, 1430 W Peachtree St N W Trinity 5-8376
Berkeley 4, Cal, 2020 Milvia St Thornwall 5-3133
(Chicago) Oak Park, Ill, 6429 W North Ave Euclid 3-6320
Dallas 12, Tex, 5044 Westmoreland Rd Fleetwood 7-4327
Detroit 21, Mich, 16244 James Colzens Hwy University 4-1030
(Phila) King of Prussia, Pa, 132 Allendale Rd Norristown: Broadway 9-7374
St Louis, Mo, 2 Brentwood Blvd Volunteer 3-3445
San Diego, Cal, 426 Olive St Cypress 6-6101
Seattle, Wash, 550 Mercer St Atwater 3-4990
Washington, D C, 1001 Connecticut Ave, N W Republic 7-4366

Hastings-Raydist, Inc, Newcomb Ave & Ivy Home Rd, Hampton, Va Park 3-6531

Hauser-Stander Tank Co, 4838 Spring Grove Ave Cincinnati 32, Ohio Kirby 1-2375

Haveg Industries, Inc, 900 Greenbank Rd, Wilmington, Del Wyman 8-2271
Atlanta, Ga, 3230 Peachtree Rd N E CE 7-3821
Bellaire, Tex, 5119 Bellaire Blvd Mohawk 7-6519
Denver, Col, 1795 Sheridan St Belmont 7-0433
Norwalk, Cal, 12827 E Imperial Hwy Oxbow 3-1710
Portland 14, Ore, Weatherly Bldg Belmont 4-1561
Seattle 4, Wash, 1731-1 Ave S Main 9006
Solon, Ohio, 33840 Aurora Rd Churchill 8-6194
Westfield, N J, 101 Central Ave Adams 2-7383
Wheaton, Ill, 130 W Liberty Dr 8-9530

Hayes & Stolz Industrial Mfg Co, Inc, 3521 Hemphill St, Ft Worth, Tex WA 3-4668

Haynes Stellite Co, Div Union Carbide Corp, 1020 W Park Ave, Kokomo, Ind Gladstone 2-5421
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cleveland 14, Ohio, 1300 Lakeside Ave Main 1-4204
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Houston 11, Tex, 3839 W Alabama St, P O Box 22127 Mohawk 7-5641
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
N Y 17, 30 E 42 St Murray Hill 7-8000
San Francisco 6, Cal, 22 Battery St Yukon 2-1360

Hays Corp, 742 E 8 St, Michigan City 44, Ind Triangle 2-5561

Heatron, Inc, 333 Eberts Lane, York, Pa 6230

Hedwin Corp, 1612 Roland Hts Ave, Baltimore 11, Md Hopkins 7-8210

Heil Process Equipment Corp, 12901 Elmwood Ave, Cleveland 11, Ohio Clearwater 2-4141
Chicago 6, Ill, 400 W Madison Ave Andover 3-2134
Detroit 2, Mich, 2970 W Grand Blvd Trinity 3-3992
N Y 18, 152 W 42 St Pennsylvania 6-1827

Helicoid Gage Div, American Chain & Cable Co, Inc 929 Connecticut Ave, Bridgeport 2, Conn

Hendrick Mfg Co, 32 Dundaff St, Carbondale, Pa 1600 N Y 7, 30 Church St Barclay 7-1428

Henszey Co, 202 N Water St, Watertown, Wis 1009

Hercules Filter Corp, 214 Ethyl Ave, Hawthorne, N J HA 7-6900

Hevi-Duty Elec Co, 2040 W Wisconsin Ave, Milwaukee 1, Wis West 3-9339
Chicago, Ill, 5816 W North Ave National 2-6565
Cleveland 7, Ohio, 14900 Detroit Ave Academy 1-0333
Culver City, Cal, 10826 Venice Blvd Vermont 7-1205
Detroit 21, Mich, 8830 W McNichols Rd Diamond 1-3266

Jersey City 6, N J, 30 Journal Sq Swarthmore 8-5250
HEYL & PATTERSON, INC, 55 Ft Pitt Blvd, Pittsburgh 22, Pa Court 1-0750
Hilliard Corp, 100 W 4 St, Elmira, N Y RE 3-7121
Hills-McCanna Co, 4572 W Touhy Ave, Chicago 30, Ill Orchard 4-7080
Atlanta 5, Ga, 3230 Peachtree Rd, NE Cedar 3-5296
Beaumont, Tex, 4815 Port Arthur Rd Terminal 5-2808
N Y 17, 521 5 Ave Yukon 6-5215
San Leandro, Cal, 1919 Williams St Elgin 7-6285
Hinde & Dauch, Div W Va Pulp & Paper Co, 407 Decatur St, Sandusky, Ohio Main 5-6610
Baltimore 13, Md, 3400 E Biddle St Eastern 7-7376
Buffalo 6, N Y, 95 Dorothy St Triangle 3131
Chicago 32, Ill, 3301 W 47 Pl Lafayette 3-4200
Cleveland 2, Ohio, 2110 W 110 St Woodbine 1-4060
Detroit 28, Mich, 13870 W Chicago Blvd Webster 3-3850
Eaton, Ohio, R R 2 875
Gastonia, N C, 601 Modena St University 4-3261
Gloucester, N J, 5 St Glenview 6-1150
Hoboken, N J, 550 9 St Oldfield 9-4400
Kansas City 15, Kan, 530 Sunshine Rd Mayfair 1-5252
Meriden, Conn, P O Box 335 Beverly 5-2551
Richmond, Va, 2300 Jefferson Davis Hwy P O Box 1460 Belmont 2-5691
St Louis 15, Mo, 5110 Penrose St Evergreen 3-0220
Watertown 72, Mass, 70 Grove St Washington 4-2640
Hodgson Equipment Co, 1505 E 7 St, Tulsa, Okla DI 3-7227
Hoffman Engrg Corp, 9 & Tyler, Anoka, Minn Harrison 1-2242
Hoke, Inc, 1 Tenakill Pk, Cresskill, N J Lowell 8-9100
Hollow Center Packing Co, 115 S W 12 St, Ft Lauderdale, Fla Jackson 3-7177
Cleveland 3, Ohio, 6523 Euclid Ave Henderson 1-7480
Hoosier Tarpaulin & Canvas Goods Co, Inc, 1302 W Washington St, Indianapolis 6, Ind Melrose 2-9451
Hose Accessories Co, 2706 N 17 St, Phila 32, Pa BA 5-4923
Hoskins Mfg Co, 4445 Lawton Ave, Detroit 8, Mich Tyler 5-2860
Aurora, Ill, 104 Fox St 6-4561
Stamford, Conn, 159 Main St Fireside 8-4442
Frank G Hough Co, 802 7 Ave, Libertyville, Ill 2-4000
Houghton Labs, Inc, 322 Houghton Ave, Olean, N Y 2-2176
Culver City, Cal, 5920 Smiley Dr Texas 0-4866
Houston Instrument Corp, 1717 Clay Ave, Houston 3, Tex CA 5-6964
Howe & French, Inc, 99 Broad St, Boston 10, Mass Hancock 6-5910
Howe Scale Co, Subs Safety Industries, Inc, Strongs Ave, Rutland, Vt Prospect 5-5541
Atlanta 10, Ga, 685 Stewart Ave S W Plaza 5-1616
Baltimore 18, Md, 1300 Curtain Ave Tuxedo 9-5857
Boston 36, Mass, 1219 Hyde Park Ave Hyde Park 3-0314
Buffalo 4, N Y, 294 Genesee St Washington 3742
Chicago 14, Ill, 1741-43 W Fullerton Ave Graceland 2-1737
Cincinnati 13, Ohio, 3438 Duck Creek Rd Elmhurst 1-2400
Cleveland 13, O, 2978 W 25 St Main 1-4642
Denver 11, Col, 3841 Mariposa St Genesee 3-6469
Detroit 27, Mich, 12945 Puritan Ave University 4-9535
Hartford 14, Conn, 105 Airport Rd Chapel 6-8576
Houston 3, Tex, 2202 Dallas Ave, P O Box 18283 Capitol 3-4619
Kansas City 1, Mo, 1312-14 St Louis Ave Baltimore 1-0437
L I C 1, N Y, 36-12 47 Ave Exeter 2-7050
Los Angeles 22, Cal, 2616 Malt Ave Raymond 3-4876
Minneapolis 1, Minn, 748 N 4 St Federal 9-8857
(Newark) E Orange, N J, 14 Hollywood Plaza Orange 3-3413
New Orleans 13, La, 1055 Baronne St JA 5-5846
Phila 40, Pa, 1910 W Atlantic St Baldwin 6-1410
Pittsburgh 12, Pa, 610 Forteland St Cedar 1-5557
St Louis 7, Mo, 3001-13 N Broadway Central 1-3480
San Francisco 7, Cal, 780 Tennessee St Valencia 4-4400
Seattle 1, Wash, 3222 Western Ave Atwater 4-8660
Rodney Hunt Mach Co, 178 Vale St, Oange, Mass Kingsdale 4-2511
N Y 36, 550 5 Ave Circle 5-1263

I

I-T-E Circuit Breaker Co, 1900 Hamilton St Phila 30, Pa Locust 7-1420
Atlanta, Ga, 3131 Maple Dr Cedar 7-6361
Baltimore, Md, 7215 York Rd Valley 5-3950
Boston, Mass, 31 St James Ave Hancock 6-3630
Buffalo, N Y, 2690 Sheridan Dr Amherst 9880
Charlotte, N C, 215 E Morehead St Edison 4-0814
Chicago, Ill, 105 W Adams St State 2-6132
Cincinnati, Ohio, 4557 Montgomery Rd Redwood 1-3966
Cleveland, Ohio, 11800 Shaker Blvd, Skyline 2-4330
Davenport, Iowa, P O Box 241, 218 Brady St
Denver, Col, 655 Broadway Blvd Amherst 6-1404
Detroit, Mich, 500 S Griswold St Woodward 5-1824
Houston, Tex, 2525 San Jacinto St Capitol 8-2378
Indianapolis, Ind, 1224 N Capitol Ave
Kansas City, Mo, Dwight Bldg Victor 2-2101
Los Angeles, Cal, 1921 E 7 St
Miami, Fla, 4216 Ponce de Leon, P O Box 797
Milwaukee, Wis, 210 W Michigan Ave Broadway 1-7900
Minneapolis, Minn, 2025 Nicollet Ave Federal 9-8796
New Haven, Conn, 2315 Whitney Ave
N Y C, 233 Broadway Barclay 7-5670
Omaha, Neb, 5002 Dodge St
Phila, Pa, 101 N 33 St
Pittsburgh, Pa, 1 Gateway Center Grant 1-2970
St Louis, Mo, 7 N Brentwood Blvd Parkview 7-6202
San Francisco, Cal, 116 New Montgomery St Yukon 2-2760
Syracuse, N Y, 321 Erie Blvd Harrison 2-2338
Tulsa, Okla, 822 E 6 St Luther 4-2616
Washington, D C, 1012 14 St, N W District 7-2326
Wilkes-Barre, Pa, P O Box 606, Kingston, Pa
ILLINOIS WATER TREATMENT CO, 840 Cedar St, Rockford, Ill Woodland 8-9691
Ann Arbor, Mich, P O Box 2161 Detroit: Tuxedo 2-4170
Chicago 45, Ill, 7546 N Oakley Ave Ambassador 2-5317
N Y 17, 141 E 44 St Murray Hill 7-7797
Imco Container Corp, 75 & Cleveland Sts, Kansas City, Mo Emerson 1-4250
Chicago 11, Ill, 919 N Michigan Ave, Rm 306 Palmolive Bldg Whitehall 3-2460
N Y 1, 350 5 Ave, Rm 6204 Empire State Bldg Chickering 4-0578
Illinois Testing Labs, Inc, 420 N LaSalle St, Chicago 47, Ill WH 3-1331
Imperial Brass Mfg Co, 6300 W Howard St, Chicago 48, Ill SP 4-1700
Dallas, Tex, 9012 Sovereign Row Fleetwood 7-1587
Newark, N J, 288 Frelinghuysen Ave Bigelow 2-3500
Los Angeles 15, Cal, 1341 S Hope St Richmond 8-5646
San Francisco 2, Cal, 476 Golden Gate Ave Ordway 3-1247
Independent Filter Press Co, Inc, 250 48 St, Bklyn 20, N Y Gedney 9-5774
Indianapolis Wire Bound Box Co, Box H, Fernwood, Miss McComb 3036
Indianapolis, Ind, 1300 Beecher St State 4-4433
Industrial Development Labs, 17 Pollock Ave, Jersey City 5, N J Henderson 5-0100
Industrial Filter & Pump Mfg Co, 5900 W Ogden Ave, Cicero 50, Ill Olympic 2-8700
Industrial Instruments, Inc, 89 Commerce Rd, Cedar Grove, N J Center 9-6200
Industrial Products Co, 2753 N 4 St, Phila 33, Pa Garfield 5-6700
Inertial Instruments, Inc, 1738 Colorado Ave, Santa Monica, Cal Exbrook 5-2858
Inertol Co, 476-86 Frelinghuysen Ave, Newark 12, N J Bigelow 3-2000
Chicago 10, Ill, 461 W Erie St Whitehall 3-2510
Marlton, N J, Jct 70 & 73 Eastgate 1-0115
San Francisco 7, Cal, 27 S Park Sutter 1-4475
Infilco, Inc, P O Box 5033, Tucson, Ariz Main 3-5401
Chicago 16, Ill, 325 W 25 Pl Calumet 5-2525
Ingersoll-Rand Co, 11 Broadway, N Y 4 Digby 4-6070
Branches in all principal cities
Inland Steel Container Co, Div Inland Steel Co, 6532 S Menard Ave, Chicago 38, Ill Portsmouth 7-8100
Atlanta 19, Ga, 3203 Woodrow Way, NE Cedar 7-3239
Buffalo 11, N Y, 64 Rapin St Taylor 8760
Cincinnati 25, Ohio, 3240 Spring Grove Kirby 1-4700
Cleveland 5, Ohio, 9612 Meech Ave Diamond 1-9494
Greenville, Ohio, Railroad & Markwith Aves Lincoln 8-4111
Houston, Tex, 1300 Main St Capitol 5-3264
Jersey City 5, N J, 353 Danforth Ave Delaware 3-4700
Kansas City 3, Kan, 16 Elmwood St Johnson 2-9828
New Orleans 19, La, 325 N Cortez St Audubon 8716
N Y 17, 230 Park Ave Murray Hill 6-7252
St Paul 1, Minn, First Natl Bank Bldg Capitol 4-3275
International Boiler Works Co, 630 Birch St, E Stroudsburg, Pa 809
International Business Machines Corp, Data Processing Div, 112 E Post Rd, White Plains, N Y 9-1900
Branches in all principal cities
International Engrg, Inc, 1145 Bolander Ave, Dayton 1, Ohio Baldwin 3-7275
International Equipment Co, 1284 Soldiers Field Rd, Boston 35, Mass Stadium 2-7900
International Graphite & Electrode Div, Speer Carbon Co, Theresia St, St Marys, Pa TE 42-801
International Nickel Co, Inc, 67 Wall St, N Y 5 Whitehall 4-1000
Abington, Pa, 1150 York Rd Phila: Waverly 4-6692
Chicago 1, Ill, 333 N Michigan Ave Franklin 2-4030
Cincinnati 2, Ohio, Carew Tower Parkway 1-1631
Detroit 35, Mich, 19842 James Couzens Hwy Broadway 3-6780
Hartford 3, Conn, 75 Pearl St Jackson 7-0383
Houston 2, Tex, Commerce Bldg Capitol 4-1433
Los Angeles 15, Cal, 714 W Olympic Blvd Richmond 9-2496
Minneapolis 2, Minn, Northwestern Bank Bldg Federal 6-0631
Pittsburgh 19, Pa, Grant Bldg Atlantic 1-9546
St Louis 5, Mo, 10 S Brentwood Blvd Parkview 5-3378
International Paper Co, 220 E 42 St, N Y 17 Murray Hill 2-7500
Atlanta 3, Ga, 134 Peachtree St Jackson 4-7346
Baltimore 1, Md, 312 Davison Chemical Bldg Saratoga 7-3424
Boston 10, Mass, 80 Federal St Hancock 6-2264
Chicago 6, Ill, 400 W Madison St Randolph 6-1281
Cleveland 13, O, 1001 Terminal Tower Prospect 1-0620
New Orleans 12, La, 503 Hibernia Bank Bldg Tulane 3443
Phila 7, Pa, 1524 National Bank Bldg Rittenhouse 6-4191
San Francisco 4, Cal, 235 Montgomery St Yukon 2-7230
Island Equipment Corp, PO Box 380276, Miami 38, Fla Oxford 6-0321
Flushing 54, N Y, 135-20 39 Ave Hickory 5-9190

J

Byron Jackson Pumps, Inc, Box 2017, Terminal Annex Los Angeles 54, Cal Ludlow 7-6171
Chicago 5, Ill, 407 N Dearborn St Harrison 7-2375
Greenville, S C, 201 Stokes Bldg 5-7820
Houston, Tex, 6247 Navigation Ave Walnut 6-8321
Lawrenceburg, Ind, P O Box 70 600
Los Angeles, Cal, 2301 E Vernon Ludlow 7-6171
N Y 36, 580 5 Ave, Rm 510 Plaza 7-0400
Plainview, Tex, 1305 N Columbia Capitol 4-5505
San Francisco 4, Cal, 369 Pine St Sutter 1-5812
Jarrell-Ash Co, 26 Farwell St, Newtonville 60, Mass Decatur 2-2130
Arlington Hts, Ill, 418 N Windsor Dr Clearbrook 5-9661
Atlanta 9, Ga, 1430 Blvd N E Trinity 6-9020
Dallas 6, Tex, 4924 Greenville Ave Emerson 8-5801
Dearborn Mich, 1910 Woodside Dr Logan 2-9572
(Los Angeles) Costa Mesa, Cal, 2533 Fordham Dr Kimberly 5-7350
New Brunswick, N J, 347 Livingstone Ave, Kilmer 5-5305
Pittsburgh 9, Pa, 916 Greenhill Rd Taylor 1-2990
(San Francisco) San Mateo, Cal, 1789 Lexington Ave Fireside 1-2814
Jeffrey Mfg Co, 777 N 4 St Columbus 16, Ohio
Burlingame, Cal, 1862 Rollins Rd OX 7-5303
Chicago 1, Ill, 307 N Michigan Ave Franklin 2-9785
Cleveland 15, Ohio, 1560 Hanna Bldg Prospect 1-8111
Detroit 13, Mich, 5808 St Jean Ave Walnut 1-0393
Houston 6, Tex, 3400 Montrose Blvd Jackson 8-4191
N Y 7, 30 Church St Cortlandt 7-0437
St Louis 5, Mo, 8000 Bonhomme Ave Parkview 1-1629
Jerguson Gage & Valve Co, Adams St, Burlington, Mass Browning 2-3600
Jessop Steel Co, Washington, Pa BA 2-4000
Jo-Bell Products, Inc, 5456 Will St, Oaklawn, Ill Garden 5-0240
JOHNS-MANVILLE, 22 E 40 St, N Y 16 Lexington 2-7600
Branches in all principal cities
Johnson Corp, 805 Wood St, Three Rivers, Mich 2-1715
Johnson Service Co, 507 E Michigan St, Milwaukee 1, Wis
Branches in all principal cities
Johnson-March Corp, 3018 Market St, Phila 4, Pa Baring 2-1411
Jones Box & Mill Div, 344 Delaware Ave, Buffalo 2, N Y MO 1852
Jordan Co, Inc, 3235 W Hampton Ave, Milwaukee, Wis Uptown 1-3200
Joy Mfg Co, Oliver Bldg, Pittsburgh 22, Pa Grant 1-2140

(Continued)

Joy Mfg Co (continued)
Chicago 6, Ill, 560 W Washington Blvd Dearborn 2-4670
Cleveland 35, Ohio, 16141 Puritas Ave Clearwater 1-9444
Dallas 20, Tex, 7425 Hines Blvd Fletwood 7-3949
Detroit 35, Mich, 17615 W McNichols Rd Kenwood 7-2660
Los Angeles 22, Cal, 5426 E Washington Blvd Raymond 3-6305
N Y 6, 140 Cedar St Cortlandt 7-6545
Phila 2, Pa, 1420 Walnut St Pennypacker 5-4121
Washington 6, D C, 1741 K St N W Executive 3-6200

K

KG Equipment Co, Div Air Products, Inc, 1744 Lehigh St, Allentown, Pa Swift 7-5820
Kahn & Co, Inc, 541 Windsor St, Hartford 1, Conn Chapel 6-7431
Kaiser Chems Div, Kaiser Aluminum & Chem Corp, 1924 Broadway, Oakland 12, Cal Crestview 1-2211
Birmingham, Ala, 1206 S 20 St Fairfax 4-1230
Hammond, Ind, 518 Calumet Bldg Westmore 2-8140
Houston, Tex, 3400 Montrose Blvd Jackson 3-5518
Los Angeles, Cal, 2304 Huntington Dr Cumberland 3-2713
Pittsburgh 22, Pa, 3 Gateway Center Court 1-4202
St Louis, Mo, 10 Brentwood Blvd Volunteer 3-1100
Seattle 4, Wash, 302 W E A Bldg Main 3-7821
Kalamazoo Tank & Silo Co, 508 N Harrison St, Kalamazoo, Mich FI 5-2141
W A Kates Co, 430 Waukegan Rd, Deerfield, Ill Windsor 5-0950
Kaye & MacDonald, Inc, 11½ Central Ave W Orange, N J Orange 4-8060
Kelley Co, Inc, 2129 W Mill Rd, Milwaukee, Wis FL 2-1000
Chicago 44, Ill, 15 S Austin St Columbus 1-6037
Kelley Mfg Co, 4800 Clinton Dr, P O Box 17, Houston Tex Orchard 2-2431
O G Kelley & Co, 98 Taylor St, Dorchester 22, Mass Talbot 5-1040
Cleveland 11, Ohio, 12699 Elmwood Ave Clearwater 2-4622
Elizabeth, N J, 920 Westfield Ave 1265
Johnson City, Tenn, 724 W Walnut St 171
N Y C, 103 Park Ave Murray Hill 5-3864
Pittsburgh 22, Pa, 1721 Oliver Bldg Express 1-0223
M W Kellogg Co, subs Pullman, Inc, 711 3 Ave N Y 17 Oxford 7-5200
Houston 2, Tex, 453 Esperon Bldg Capitol 8-6481
Jersey City 3, N J Delaware 3-3100
San Francisco 4, Cal, 1407 Russ Bldg Yukon 6-4979
C M Kemp Mfg Co, 405 E Oliver St, Baltimore 2, Md Vernon 7-1190
Kenco Pump Div, (The) American Crucible Products Co, 1305 Oberlin Ave, Lorain, Ohio Cherry 56-826
Kennedy Valve Mfg Co, 1021 E Water St, Elmira, N Y 3-4646
Chicago 7, Ill, 1306-12 S Canal St Canal 6-2776
Cincinnati 32, Ohio, 5550 Este Ave Poplar 1-3143
N Y 13, 161 6 Ave Algonquin 5-4494
San Francisco 3, Cal, 350 10 St Hemlock 1-0350

►KENNEDY VAN SAUN MFG & ENGRG CORP
405 Park Ave, N Y 22 PL 3-2200
Kewaunee Mfg Co, 5101 S Center St, Adrian, Mich Colfax 5-7131
Walter Kidde & Co, Inc, 198 Main St, Belleville 9, N J Plymouth 9-5000
Atlanta 18, Ga, 1882 Marietta Blvd Sycamore 9-5381
Boston 16, Mass, 258 Park Sq Bldg Hancock 6-2853
Chicago 7, Ill, 1310-20 W Randolph St Seeley 8-2724
Dallas 35, Tex, 7224 Harry Hines Blvd Fleetwood 1-6466
Detroit 37, Mich, 20850 Coolidge Hwy Jordan 6-6388
Los Angeles 16, Cal, 4845 W Exposition Blvd Republic 3-0158
Phila 4, Pa, 101 N 33 St Baring 2-8181
Kidde Ultrasonic & Detection Alarms, Inc, 198 Brighton Rd, Allwood Sta, Clifton, N J Gregory 2-5000
Karl Kiefer Mach Co, 919 Martin St, Cincinnati 2, Ohio
Killark Electric Mfg Co, 3940 Easton Ave, St Louis 13, Mo Jefferson 1-0460
Kimble Glass Co, subs Owens-Illinois Glass Co, P O Box 1035, Toledo 1, Ohio CH 2-6543
Kinetic Dispersion Corp, Botsford & Kew Pl, Buffalo 16, N Y Victoria 5533
King Engrg Corp, P O Box 460, Ann Arbor, Mich Normandy 2-5651
(The) Kinnear Mfg Co, Fields Ave, Columbus 15, O AX 9-4181
Baltimore 1, Md, 10 W 23 St
Boston 18, Mass, 110 Worcester St
Chicago 6, Ill, 150 N Wacker Dr
Cincinnati 1, O, 527 E 5 St
Cleveland 10, O, 1217 Hayden Ave
Detroit 3, Mich, 12330 Hamilton Ave
New Orleans 12, La, 629 Hibernia Bank Bldg
N Y 17, Rm 3949, Grand Central Terminal
Phila 22, Pa, 1934 N Front St
Pittsburgh 22, Pa, 2301 1 Natl Bank Bldg
(Washington) Arlington 1, Va, 504 Radio Bldg 2030 N 16 St
S P Kinney Engrs, Inc, 201 2 Ave, Carnegie, Pa Browning 6-4600
Kirk & Blum Mfg Co, 3120 Forrer St, Cincinnati 9, Ohio EL 1-1400
Klemp Metal Grating Corp, 6611 S Melvina Ave, Chicago 38, Ill PO 7-6760
N Y 1, 350 5 Ave Lackawanna 4-5188
Klipfel Valves, Inc, 1075 Lincoln Ave, Hamilton, Ohio TW 5-5661
N Y C, 33 W 42 St Longacre 5-1456
Knapp Mills, Inc, 23-15 Borden Ave, Long Island City 1, N Y Ravenswood 9-8550
Baltimore, Md, 708 S Carolina St Eastern 7-3658
Chester, Pa, Front & Thurlow Sts 4-7834
Wilmington, Del, Ft of West St Olympia 6-1661
Maurice A Knight Co, 444 Kelly Ave, Akron 9, Ohio Parkway 4-1277
N Y 18, 130 W 42 St Chickering 4-6145
Knox Porcelain Corp, 2706 Mynders Ave, Knoxville 21, Tenn 3-8157
Komline-Sanderson Engrg Corp, Industrial Filter Div, 110 Holland Ave, Peapack, N J 8-1000
(The) Konto Co, Inc, N Countryside Rd, Petersham, Mass Ramond 4-3202
Koppers Co, Inc, Metal Products Div, 200 Scott St, Baltimore 30, Md. Saratoga 7-2500
Chicago 3, Ill, 122 S Michigan Ave Webster 9-2400
Los Angeles 5, Cal, 3450 Wilshire Blvd Dunkirk 8-0676
N Y 22, 430 Park Ave Plaza 5-2810
Pittsburgh 19, Pa, H K Porter Bldg Express 1-3300

►KRAFT BAG CORP, SUBS GILMAN PAPER CO
630 5 Ave, N Y 20 Circle 7-2860
Chicago 6, Ill, Daily News Bldg Financial 6-4477
Harold Kruger Instruments, 313 W Valley Blvd, San Gabriel, Cal AT 4-3541
Kutlir Labs, Monmouth Junction Rd, Monmouth Junction, N J Davis 9-6661
Kutztown Foundry & Mach Corp, Kutztown, Pa Overbrook 3-7351

L

L & L Mfg Co, 136 9 St, Upland, Pa Tremont 2-5164
Laboratory Equipment Corp, Hilltop Rd, St Joseph, Mich Yukon 3-5534
Laboratory Furniture Co, Inc, 59 Old Country Rd, Mineola, N Y Pioneer 2-3600
Ladish Co, 5481 S Packard Ave, Cudahy, Wis Humboldt 1-1500
Amarillo, Tex, 1011 Fisk Bldg Drake 3-7872
Atlanta, Ga, 1145 Peachtree St N E Trinity 2-8855
Baton Rouge, La, 3170 Florida Blvd Dickens 8-2324
Buffalo 3, N Y, 14 Lafayette Sq Cleveland 6477
Chicago 4, Ill, 332 S Michigan Ave Harrison 7-3290
Cleveland 15, Ohio, 627 Hanna Bldg Tower 1-0642
Denver, Col, Mile High Center Bldg Main 3-5371
Houston 25, Tex, 1100 E Holcomb Blvd JA 4-7557
Los Angeles 58, Cal, 3321 E Slauson Ave Ludlow 3-4681
N Y 17, 60 E 42 St Murray Hill 2-7662
Odessa, Tex, 419 W 4 St Federal 7-6561
Phila 2, Pa, 1405 Locust St Kingsley 5-5623
Pittsburgh, Pa, 3020 Grant Bldg Grant 1-9516
St Louis 8, Mo, 3615 Olive St Jefferson 5-4175
St Paul 14, Minn, 2200 University Ave Midway 5-3909
San Francisco 11, Cal, 420 Market St Yukon 2-6360
Seattle 9, Wash, 314 Fairview Ave N Main 4-0747
Tulsa, Okla, 1810 S Baltimore Gibson 7-7261
Tri-Clover Div, 2809 60 St, Kenosha, Wis OL 4-3551
La Favorite Rubber Mfg Co, 254 Wagaraw Rd, Hawthorne, N J 7-0703
(The) Lamports Co, 1403 W 6 St, Cleveland 13, Ohio MA 1-3315
Chicago 6, Ill, 315 Adams St
Detroit 26, Mich, 204 W Jefferson Ave
Los Angeles 13, Cal, 439 E 3 St
N Y 13, 55 Leonard St
Lapp Insulator Co, Inc, Process Equip Div, 100 Gilbert St, LeRoy, N Y 385
Lawrence Pump & Engine Co, Canal & Marston Sts, Lawrence, Mass Murdock 5-5145
David M Lee & Co, Inc, P O Box 1538, Richmond, Va Belmont 3-8301
Lead Lined Iron Pipe Co, 33 Bway, Wakefield, Mass Crystal 9-0020
Leader Iron Works, Div Standard Steel Corp, 5075 Boyle Ave, Los Angeles 58, Cal Ludlow 5-1231
Decatur, Ill, 2120 N Jasper St 8-2163
Leavitt Mach Co, 10 E River St, Orange, Mass KI 4-2751
Lebanon Steel Foundry, 74 Lehman St, Lebanon, Pa CR 3-1611
Houston 6, Tex, 3209 W Alabama St Suite 107
Lecourtenay Co, 5 Maine St, Newark 5, N J Market 3-2905
N Y 20, 30 Rockefeller Plaza Circle 7-1224
Leeds & Northrup Co, 4970 Stenton Ave, Phila 44, Pa Davenport 9-4900
Atlanta, 5, Ga, 3084 Grandview Ave, N E Cedar 7-8624
(Baltimore) Towson 4, Md, 311 E Pennsylvania Ave Valley 5-7710
Boston 66, Mass, 430 Lexington St, Auburndale Lassell 7-9360
Buffalo 15, N Y, 3685 Harlem Rd Atwater 8900
Chicago 1, Ill, 307 N Michigan Ave Central 6-3428
Cincinnati 36, Ohio, 8005 Plainfield Rd Sycamore 1-2274
Cleveland 6, Ohio, 1922 E 107 St Sweetbriar 1-5100
Columbus 12, O, 1465 NW Blvd, Hudson 6-7146
Denver 2, Col, 1545 Glenarm Pl Acoma 2-1808
Detroit 35, Mich, 18240 James Couzens Hwy Diamond 1-2320
E Orange, N J, 99 Washington St Orange 2-3420
Hartford 7, Conn, 10 N Main St Adams 2-4474
Houston 27, Tex, 3939 Essex Lane Mohawk 7-7481
Indianapolis 18, Ind, 3513 N Hovey St Walnut 6-2462
Kansas City 14, Mo, 7935-A1 State Line Rd Jackson 3-8199
Los Angeles 22, Cal, 5111 Via Corona Ave Angelus 9-3191
Milwaukee 2, Wis, 828 N Broadway Broadway 2-1016
N Y 17, 711 3 Ave Murray Hill 7-4133
(Phila) Ft Washington, Pa Mitchell 6-5500
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Locust 1-7808
St Louis 5, Mo, 8000 Bonhomme Ave, Clayton Parkview 6-0853
Salt Lake City 11, Utah, 455 E 4 Sts S Davis 8-8861
San Francisco 3, Cal, 1095 Market St Market 1-3464
Seattle 9, Wash, 1311 Republican St Main 3-5505
Tulsa 3, Okla, 8 E 4 St Gibson 7-3720
Lehigh Fan & Blower Div, Fuller Co, Catasauqua, Pa Congress 4-2841
Leiman Bros, Inc, 146-181 Christie St, P O Box 1339, Newark 1, N J Market 3-7520
Leland Elec Co Div, American Mach & Foundry Co, 1501 Webster St, Dayton 1, Ohio Baldwin 4-0701
Chicago 45, Ill, 5875 N Lincoln Ave Longbeach 1-0971
(Cleveland) Chagrin Falls, Ohio Chestnut 7-7751
Dayton 1, Ohio, 1501 Webster St Baldwin 4-0701
Detroit 21, Mich, 18450 Livernois Ave University 4-4376
Los Angeles 28, Cal, 7046 Hollywood Blvd Hollywood 9-3639
Rochester 4, N Y, 703 Temple Bldg Baker 5-1443
Stamford, Conn, 26 6 St Fireside 8-9227
Lenape Hydraulic Pressing & Forging Co, Box 536, W Chester, Pa Swinburne 3-1500
Le Roi Div, Westinghouse Air Brake Co, Milwaukee 1, Wis Greenfield 6-2600
Atlanta, Ga, 1621 Candler Bldg Jackson 4-3868
Cleveland 9, Ohio, 4798 W 35 St Shadyside 9-1353
Denver 3, Col, 610 Farmers Union Bldg Amherst 6-1042
N Y C, 45 Rockefeller Plaza Judson 6-2300
Oakland, Cal, 428 13 St, Rm 802 Easton Bldg, Templebar 2-2842
Tulsa 19, Okla, 1307 S Boulder, Suite 307A IBM Bldg Luther 4-3575
Leslie Co, 67D Leslie Bldg, Lyndhurst, N J Geneva 8-8000
Lewis-Shepard Products, Inc, 125 Walnut St, Watertown 72, Mass 4-5400
Lyons, Ill, 8844 W 47 St
N Bergen, N J, 3730 Tonnelle Ave
Lilie-Hoffmann Cooling Towers, Inc, 1450 S Vandeventer Ave, St Louis 10, Mo Olive 2-4511
Lincoln Elec Co, 22801 St Clair Ave, Cleveland 17, Ohio Ivanhoe 1-8100
Albany 5, N Y, 1593 Central Ave, 1-C
Appleton, Wis, 217 N Locust St
Atlanta 13, Ga, 474 Luckie St, N W Jackson 5-8494
Baltimore 1, Md, 1130 Park Ave Saratoga 7-0060
Bay City, Mich, 2131 Center St
Bethlehem, Pa, 1836 Jennings St
Birmingham 4, Ala, 113 N 9 St Alpine 1-9501
(Boston) Needham, Mass, 1275 Highland Ave 3-4370
Buffalo 10, N Y, 69 Leddy St Triangle 5032
Canton, O, 1105-16 St N W
(Cedar Rapids) Marion, Iowa, 2000 17 Ave
Charlotte 1, N C, 109 W Griffith St,
Chattanooga, Tenn, 303 Bass Rd
(Chicago) Brookfield, Ill, 8846 W 47 St
Cincinnati 13, Ohio, 6319 Wiehe Rd Elmhurst 1-0188

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Dayton 19, O, 2420 Far Hills Ave
Denver 4, Col, 1224 Walnut St Acoma 2-9533
Des Moines 15, Iowa, 5311 W 9 St
Detroit 21, Mich, 17124 Wyoming Ave University 4-3952
(Duluth) Eveleth, Minn, Leunidas School
Ft Wayne, Ind, 6418 Winchester Rd
Franklin, Pa, 741 Liberty St Idlewood 2-2519
Fresno, Cal, 444 Blackstone Ave
Grand Rapids 2, Mich, 1355 Century Ave S W Cherry 1-5646
Indianapolis 5, Ind, 5165 N Keystone Ave Broadway 2415
Jacksonville 7, Fla, 6243 Colgate Rd
Kansas City 8, Mo, 3055 Southwest Blvd
Los Angeles 22, Cal, 2661 S Yates Ave Raymond 3-7281
Milwaukee 9, Wis, 5300 N Sherman Blvd
Minneapolis 8, Minn, 511-13 Ave S
Moline, Ill, 215 43 St 2-5583
(New Haven) N Haven, Conn, 381 State St Atwater 8-1737
Peoria 6, Ill, 214 2 Ave 4-3154
(Phila) Springfield, Pa, 204 Baltimore Pike
Pittsburgh 20, Pa, 22 Wabash St Walnut 1-4551
Portland 11, Ore, 1034 N E Russet St Butler 9-8881
St Louis 10, Mo, 4427 Manchester Ave Jefferson 1-6516
(San Francisco) Emeryville 8, Cal, 1303 Stanford Ave
Seattle 4, Wash, 543 W Nevada Ave Elliott 2235
Syracuse 3, N Y, 127 Seeley Rd GR 2-1925
Toledo 5, Ohio, 26 Main St Oxford 3-3464
Tulsa, Okla, 2730 Sand Springs Rd Diamond 3-3141
Union, N J, 971 Lehigh Ave Murdock 6-1220
N Y C: Bowling Green 9-6755

Lincoln Engrg Co Div, McNeil Mach & Engrg Co, 4010 Goodfellow Blvd, St Louis 20, Mo Evergreen 3-5900
Detroit 2, Mich, 8627 Woodward Ave Trinity 5-3484
Phila 3, Pa, 1609 Vine St Rittenhouse 6-8131
Pittsburgh, Pa, 6 & Annsbury St Davenport 9-0790

Linde Co, Div Union Carbide Corp, 30 E 42 St, N Y 17 Murray Hill 7-8000
Atlanta 1, Ga, 22 7 St N E Cypress 7256
Baltimore 18, Md, 532 E 25 St Chesapeake 3-0200
Birmingham 2, Ala, 2900 Cahaba Rd Tremont 9-4681
Boston 94, Mass, (Needham Hts) 300 1 Ave Needham 3-4747
Buffalo 2, N Y, 250 Delaware Ave Washington 1616
Charleston 1, W Va, 2 Virginia St 3-5658
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cincinnati 29, Ohio, 709 Mellish Ave Capitol 1-1600
Cleveland 14, Ohio, 1300 Lakeside Ave Main 1-4202
Dallas 1, Tex, 2626 Commerce St Prospect 8618
Denver 9, Col, 685 S Broadway Race 2-4621
Houston 11, Tex, 6119 Harrisburg Blvd Walnut 6-3165
Indianapolis 4, Ind, 729 N Pennsylvania St Melrose 5-3577
Jacksonville 3, Fla, 2410 Dennis St 6-3058
Kansas City 5, Mo, 910 Baltimore Ave 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Memphis 5, Tenn, 48 W McLemore Ave Whitehall 8-7766
Milwaukee 46, Wis, 1623 S 38 St Mitchell 5-2200
Minneapolis 2, Minn, 827 2 Ave S Federal 3-2262
New Orleans 13, La, 828-32 Howard Ave Tulane 1616
N Y 17, 205 E 42 St Murray Hill 7-8000
Phila 22, Pa, 1421 N Broad St Stevenson 4-2424
Phoenix, Ariz, 401 E Buchanan St Alpine 4-9487
Pittsburgh 22, Pa, 644 Oliver Bldg Express 1-3800
Portland 9, Ore, 1205 N W Marshall St Capital 7-2603
St Louis 8, Mo, 4228 Forest Park Blvd Franklin 1-2580
Salt Lake City 1, Utah, 436 W 9 S St Elgin 5-2979
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
Seattle 4, Wash, 3404 4 Ave S Main 6247
Spokane, Wash, 2023 W Maxwell Ave Fairfax 4503
Tulsa 3, Okla, 614 Natl Bank of Tulsa Bldg 3-5148

Link-Belt Co, Dept CWBG-59, Prudential Plaza, Chicago 1, Ill RA 6-7790
Albany 6, N Y, 21 Colvin Ave 89-2589
Atlanta 10, Ga, 1116 Murphy Ave S W Plaza 5-5701
Baltimore 12, Md, 7215 York Rd Valley 5-0775
Birmingham 9, Ala, 321 Oxmoor Rd Tremont 1-1101
Boston 15, Mass, 136 Brookline Ave Commonwealth 6-1001
Buffalo 23, N Y, 956 Kenmore Ave Riverside 8518
Charlotte 2, N C, 112 S Tryon St Edison 4-3044
Chicago 9, Ill, 301 W Pershing Rd Atlantic 5-4401
Cincinnati 2, Ohio, 138 E Court St Main 1-7662
Cleveland 20, Ohio, 3592 Lee Rd Wyoming 1-0380
Dallas 26, Tex, 500 Good-Latimer Expwy Riverside 1-5321
Denver 2, Col, 1626 Wazee St Acoma 2-2741
Detroit 4, Mich, 5938 Linsdale Ave Tyler 4-1100
Duluth 2, Minn, 301 W 1 St Randolph 7-2915
Grand Rapids 7, Mich, 1330 Burton St, S E Cherry 1-1654
Houston 1, Tex, 3203 S Wayside, P O Box 2563 Walnut 3-5581
Huntington 1, W Va, 1009 5 Ave, P O Box 510 Jackson 3-9401
Indianapolis 6, Ind, 220 S Belmont Ave Melrose 2-5411
Jacksonville 2, Fla, 137 E Forsyth St Elgin 6-5788
Kansas City 8, Mo, 2630 Holmes St Victor 2-9234
Los Angeles 22, Cal, 1200 Sycamore St, Box 22056, Montebello Raymond 3-9341
Louisville 8, Ky, 235 E Burnett St Melrose 7-3668
Milwaukee 3, Wis, 808 N 3 St Broadway 2-1674
Minneapolis 5, Minn, 200 Lyndale Ave, N Federal 3-5575
Moline, Ill, 1614½ 5 Ave 2-5564
New Orleans 16, La, 2025 Canal St Magnolia 4127
N Y 36, 530 5 Ave Oxford 7-8100
Phila 40, Pa, 2045 W Hunting Park Ave Baldwin 3-3300
Pittsburgh 13, Pa, 5020 Centre Ave Museum 1-0600
Portland 10, Ore, 3030 N W Industrial St Capital 6-2601
St Louis 1, Mo, 317 N 11 St Chestnut 1-1777
Salt Lake City 1, Utah, 108 S 4 West St Davis 2-2539
San Francisco 24, Cal, 400 Paul Ave Juniper 7-6400
Seattle 4, Wash, 3405 6 Ave S Maine 4-8200
Shreveport, La, 3109 Alexander St 8-3517
Spokane 10, Wash, N 1303 Washington St Fairfax 8-5820
Summit, N J, 293 Morris Ave Crestview 3-2500
Washington 1, D C, 740 11 St, N W National 8-3400
Wilmington 2, Del, 805 Orange St Olympia 5-1556

Lippmann Engrg Works, Inc, 4603 W Mitchell St, Milwaukee 14, Wis Mitchell 5-5544
Little Giant Products, Inc, 1530-50 N E Adams St, Peoria, Ill 3-4515
Litton Engrg Labs, P O Box 949, Grass Valley, Cal 1730
Logan Clay Products Co, Box 698, Logan, Ohio EV 5-2184
C W Logeman Co, 633 Bergen S, Bklyn 38, NY Ulster 7-9403
Los Angeles Water Softener, Inc, 1007 Airway, Glendale 1, Cal Chapman 5-1854
Ludlow-Saylor Wire Cloth Co, 634 S Newstead Ave, St Louis 10, Mo Franklin 1-0636
Birmingham 9, Ala, 1727 6 Ave N Tremont 9-3119
Chicago 39, Ill, 6261 W Grand Ave National 2-1147
Denver 15, Col, 1530 Carr St Belmont 3-5421
Houston 2, Tex, 5638 Harvey Wilson Dr Walnut 3-9458
Los Angeles 65, Cal, 2515 San Fernando Rd Capitol 5-1397
Pittsburgh 19, Pa, Union Trust Bldg Atlantic 1-2262

(The) Lunkenheimer Co, Beekman St & Waverly Ave, Cincinnati 14, Ohio Wabash 1-3400
Chicago 6, Ill, 1500 S Western Ave State 2-6654
Houston 3, Tex, 3711 Polk Ave Capitol 4-9763
Medford, Mass, 313 Mystic Ave
N Y C, Chrysler Bldg Murray Hill 6-2235
Phila 34, Pa, 3209-17 B St Garfield 3-3300
Luzerne Rubber Co, 600 Mulrhead Ave, Trenton, N J Export 2-4131

M

MRM CO, Inc, 191 Berry St, Bklyn 11, N Y Evergreen 7-3936
Mack Iron Works Co, 132 Warren St, Sandusky, Ohio MA 6-3712
Magnatrol Valve Corp, 67 5 Ave, Hawthorne, N J HA 7-4341
Magnetrol, Inc, 2110 S Marshall Blvd, Chicago 23, Ill BI 7-4000
Main Bros Box & Lumber Co, Karnak, Ill 7
Majac, Inc, 23 St, Sharpsburg, Pittsburgh 15, Pa Sterling 2-2435
Mallory-Sharon Metals Corp, Warren Ave Niles, Ohio Olympic 2-9951
Arlington, Tex, 607 E Abram St Crestview 4-8368
Hollywood 28, Cal, 1418 N Highland Ave 2-7257
Manitowoc Shipbuilding Inc, S 16 & River St, Manitowoc, Wis Murray 4-6621
Chemical Engrg Service Div, Manitowoc, Wis Murray 4-6621
Fabricating Div, Manitowoc, Wis Murray 4-6621
Manning & Lewis Engrg Co, 28-42 Ogden St, Newark 4, N J Humboldt 2-1646
Manning, Maxwell & Moore, Inc, Stratford, Conn Drexel 8-8281
Atlanta 9, Ga, 1036 Peachtree St, NE Trinity 4-8651
(Chicago) Bellwood, Ill, 2600 W Van Buren St Estebrook 8-5193
Cleveland 35, O, 15210 Industrial Pkwy Clearwater 2-6200
Houston 11, Tex, 6711 Supply Row Walnut 6-9638
(Los Angeles) Gardena, Cal, 15205 S Main St Faculty 1-4751
N Y 17, Chrysler Bldg Murray Hill 7-4320
Phila 38, Pa, 6628 Limekiln Pike Waverly 4-0153
Pittsburgh 22, Pa, Park Bldg Atlantic 1-6330
Tulsa 4, Okla, 2415 E 13 Pl Webster 9-4401
Manton-Gaulin Mfg Co, Inc, 44 Garden St, Everett 49, Mass Dunkirk 7-9300
(The) Manufacturers Equipment Co, 218 Madeira Ave, Dayton 4, Ohio Baldwin 2-5565
Manzel Unit, Houdaille Industries, Inc, 315 Babcock St, Buffalo 10, N Y Fairview 5300
Marathon Elec Mfg Corp, Wausau, Wis 2-2011
(Boston 02) Wellesley Hills, Mass, 354 Washington St Wellesley 5-6868
Buffalo 21, N Y, P O Box 77 Plaza 5820
Chicago 14, Ill, 2701 N Paulina St Eastgate 7-8450
Cincinnati 12, Ohio, 2089 Sherman Ave Jefferson 1-2855
Cleveland 14, Ohio, 815 Superior Ave, N E Cherry 1-0862
Dallas 2, Tex, Second Unit Santa Fe Bldg Riverside 7-7696
Davenport, Iowa, 705 Union Arcade Bldg 6-3133
Detroit 2, Mich, 6560 Cass Ave TR 3-3262
Erie, Pa, 12 & Cranberry St 2-6436
(Hartford) Wethersfield 9, Conn, 163 Main St, Jackson 9-9910
Houston 6, Tex, 3302 Mercer Jackson 3-5301
Indianapolis 18, Ind, 1701 N Sherman Dr Fleetwood 7-1127
Kansas City 11, Mo, 406 W 34 St Valentine 1-0100
Milwaukee 17, Wis, 316 E Silver Spring Dr Woodruff 2-7500
Newark 4, N J, 1245 McCarter Hwy Humboldt 2-9233
Oakland 12, Cal, 610 16 St Templebar 4-5747
Phila 40, Pa, 124 E Easton Rd, Glenside Turner 4-4668
Pittsburgh 12, Pa, 516 Federal St Fairfax 1-4486
Skaneateles, N Y, P O Box 216 1093
Tulsa 3, Okla, P O Box 886 Gibson 7-0520

L Frank Markel & Sons, School Lane, Norristown, Pa Broadway 2-8960

(The) Marley Co, 200 W 70 Terrace, Kansas City 14, Mo Emerson 1-2222
Alhambra, Cal, 924 E Main St Atlantic 1-1892
Chicago 2, Ill, 111 W Washington St Randolph 6-1926
Cincinnati 27, O, 6901 Wooster Pike Bramble 1-3670
Houston 19, Tex, 2132 Welch Jackson 6-2591
Kansas City 3, Kan, 2500 Johnson Dr Skyline 1-1930
Los Angeles, Cal, 924 E Main Cumberland 3-2747
N Y 6, 75 West St Bowling Green 9-0325
Phila 7, Pa, 12 S 12 St Market 7-7958
San Francisco 11, Cal, 420 Market St Douglas 2-2522
Washington 5, D C, 777 14 St N W Metropolitan 8-6747

(The) Marlo Co, Inc, 434 Broadway, N Y 13 Walker 5-1655
Marlo Coil Co, 7100 S Grand Ave, St Louis 11, Mo Vernon 2-5000
Drexel Hill, Pa, 5050 State Rd Clearbrook 9-2640
N Y 17, 122 E 42 St, Rm 308 Oxford 7-3758
Washington 16, D C, 4435 Wisconsin Ave, N W Kellogg 7-0674
Marman Div, Aeroquip Corp, 11214 Exposition Blvd, Los Angeles 64, Cal Granite 3-0932
Jas P Marsh Corp, 3501 Howard St, Skokie, Ill Orchard 3-4300
Cleveland 7, Ohio, 15209 Detroit Ave Academy 1-6667
Houston 2, Tex, 1121 Rothwell Capitol 4-2391
Jenkintown, Pa, 512 West Ave Turner 7-1575
Quincy 69, Mass, 77 Parkingway President 3-4940
Martin Engrg Co, US Rte 34, Neponsit, Ill 3321
Martindale Elec Co, 1375 Hird Ave, Cleveland 7, Ohio Lakewood 1-8567
Mason-Neilan Div, Worthington Corp, Nahatan St, Norwood, Mass 7-4600
Appleton, Wis, 116 S Appleton St
Atlanta 5, Ga, 3272 Peachtree Rd
Birmingham 9, Ala, 10 Office Park
Charlotte 2, N C, 112 S Tryon St
Chicago 11, Ill, 435 N Michigan Ave
Jacksonville, Fla, 637 Park St
Los Angeles 23, Cal, 2822 E Olympic Blvd
N Y 22, 375 Park Ave
(Phila) Upper Darby, Pa, 6908 Market St
(Continued)

Mason-Neilan Div (continued)
Pittsburgh 34, Pa, 3833 Willow Ave
San Francisco 5, Cal, 525 Market St
Seattle 99, Wash, 912 Elliott Ave W
Skaneateles, N Y, 9 E Genesee St
Upper Montclair, N J, 266 Bellevue Ave

Mast Development Corp, 2212 E 12 St, Davenport 29, Iowa 3-9729

Master Package Corp, Owen, Wis 173
Chicago 26, Ill, 7720 N Sheridan Rd Ambassador 2-1725

G Diehl Mateer Co, 776 Lincoln Hwy, Wayne, Pa Murray 8-4300

Materials Handling Equipment Co, 2619 N Normandy Ave, Chicago 35, Ill Tuxedo 9-1670

McDaniel Refractory Porcelain Co, 510 9 Ave, Beaver Falls, Pa Tilden 3-8300

McDonnell & Miller, Inc, 3500 N Spaulding Ave, Chicago 18, Ill Cornelia 7-1600
Boston 16, Mass, Statler Office Bldg Hancock 6-0957
Cleveland 18, Ohio, 1925 Lee Rd Fairmont 1-8466
Indianapolis 5, Ind, 132 E 30 St Walnut 4-0222
Los Angeles 15, Cal, 315 W 9 St Madison 5-1525
N Y 36, 55 W 42 St Pennsylvania 6-2656
Newark 2, N J, 972 Broad St Mitchell 3-3721

McGregor-Michigan Corp, 13374 Helen Ave, Detroit 12, Mich FO 6-8000

Mechanical Products Corp, 1716 Hubbard St, Chicago 22, Ill Canal 6-7750

Mercury Industries, Inc, 365 B'way, Hillsdale, N J North 4-2636

Mercury Mfg Co, Subs Pettibone Mulliken Corp, 4700 W Division St, Chicago 51, Ill, SP 2-9300
Chicago, Ill, 2825 Ogden Ave
N Y C, 350 5 Ave
Atlanta, Ga, 3130 Maple Dr NE
San Francisco, Cal, 593 Market St

Merrick Scale Mfg Co, 180 Autumn St, Passaic, N J Prescott 9-0697

Metal Textile Corp, Div General Cable Corp, 647-C E 1 Ave, Roselle, N J Chestnut 5-3000

►METAL & THERMIT CORP.
Woodbridge Rd at Randolph Ave, Rahway, N J Fulton 1-3000
Atlanta, Ga, 565 Western Ave Jackson 3-0415
Detroit 20, Mich, 1700 E 9 Mile Rd Jordan 4-5740
E Chicago, Ind, 415 E 151 St 296
El Segundo, Cal, 1926 E Maple Ave Oregon 8-5186
N Y 17, 100 Park Ave Lexington 2-6300
Pittsburgh 33, Pa, 1514 W North Ave Fairfax 1-4800
S San Francisco, Cal, E Grand Ave Plaza 5-5125

Metallo Gasket Co, 18 Bethany St, New Brunswick, N J Kilmer 5-7223

Mexico Refractories Co, Coal & Love St, Mexico, Mo JU 1-1250
Birmingham 1, Ala, 2220 1 Ave S Fairfax 2-3537
Chicago 3, Ill, 30 W Monroe Randolph 6-3055
Dearborn, Mich, 6220 Miller Rd Luzon 4-8050
Houston 1, Tex, 2211 Walker Fairfax 3-0307
Kansas City 8, Mo, 1727 Walnut Grand 1-5657
Los Angeles 58, Cal, 4555 Pacific Blvd Ludlow 3-3468
N Y 6, 21 West St Bowling Green 9-8862
Pittsburgh 22, Pa, 1447 Oliver Bldg Atlantic 1-5030

Michigan Seamless Tube Co, S Lyon, Mich Geneva 8-2411

Michigan Standard Alloy Casting Co, 1999 Guoin St, Detroit 7, Mich Lorain 7-1545

Michigan Wire Cloth Co, 2100 Howard St, Detroit 16, Mich Tashmoo 6-6500

Micro Metallic Div, Pall Corp, 30 Sea Cliff Ave, Glen Cove, N Y Oriole 1-4000

Micromold Products Corp, 1 School St, Yonkers, N Y 9-2850

Micro Switch Div, Minneapolis-Honeywell Regulator Co, 11 W Spring St, Freeport, Ill Adams 2-1122
Boston 35, Mass, 1230 Soldiers Field Rd Algonquin 4-3939
Charlotte 3, N C, 212 Greystone Rd Jackson 3-3820
Chattanooga 11, Tenn, 3223 Brainerd Rd Oxford 8-1585
Chicago 80, Ill, 7350 N Lincoln Ave Irving 8-9290
Cleveland 14, Ohio, 1900 Superior Ave Prospect 1-0920
Dallas 6, Tex, 6000 N Central Expwy Emerson 1-6189
Dayton 4, Ohio, 1441 Milburn Ave Baldwin 2-4615
Denver 4, Col, 1600 W 13 Ave Amherst 6-2491
Detroit 27, Mich, 13631 Plymouth Rd Webster 3-6576
Indianapolis 2, Ind, 1905 W 18 St Melrose 5-2149
L I C 1, N Y, 24-30 Skillman Ave Stillwell 6-5005
Los Angeles 22, Cal, 6620 Telegraph Rd Raymond 3-7104
Minneapolis 8, Minn, 2753 4 Ave S Federal 2-5225
Phila 32, Pa, 3345 W Hunting Park Ave Baldwin 6-2400
Phoenix, Ariz, 4125 N 7 St Crestwood 4-7791
Rochester 11, N Y, 841 Maple St Fairview 8-0373
St Louis 8, Mo, 4354 Olive St Jefferson 1-4691
San Francisco 24, Cal, 2 Dorman Ave Atwater 8-1221
Seattle 9, Wash, 401 Pontius Ave Mutual 2-4580
Union, N J, P O Box 161 Murdock 8-8740
Washington 16, D C, 4926 Wisconsin Ave, N W Emerson 2-9050

Mid-Continent Metal Products Co, 1960 Clybourn Ave, Chicago 14, Ill Lincoln 9-3900

Middlesex Paper Tube Co, Inc, 345 Chelmsford St, Lowell, Mass Glenview 7-7687

Midwest Piping Co, Inc, 1450 S 2 St, St Louis 4, Mo Main 1-8300
Asheville (Skyland), N C, P O Box 446 Mutual 4-6687
Atlanta, Ga, 72 11 St N E Trinity 4-6114
Boston 27, Mass, 426 1 St Andrew 8-2110
Chicago 3, Ill, 79 W Monroe St Franklin 2-1868
Cleveland 11, O, 12160 Triskett Rd Winton 1-2722
Coral Gables 34, Fla, 2103 LeJeune Rd Highland 6-0158
Houston 2, Tex, 509 W Bldg Capitol 7-2815
Los Angeles 33, Cal, 520 Anderson St Angelus 8-6733
N Y 7, 6 Church St Cortlandt 7-5213
Pittsburgh, Pa, 404 Frick Bldg Grant 1-6151
San Francisco 11, Cal, 420 Market St Yukon 7-8438
Tulsa 14, Okla, 1574 E 21 St Riverside 3-2075

Franklin P Miller & Son, Inc, 33 Meadow St, E Orange 12, N J Orange 3-4522

Milton Roy Co, 1300 E Mermaid Lane, Phila 18, Pa Chestnut Hill 7-8000

Mine Safety Appliances Co, 201 N Braddock Ave, Pittsburgh 8, Pa CH 1-5900
Branches in all principal cities

Minneapolis-Honeywell Regulator Co, 2753 4 Ave S, Minneapolis 8, Minn FE 2-5225
See also separate listings by division:
Brown Instruments Div
Micro Switch Div

Mission Mfg Co, P O Box 4209, Houston 14, Tex HO 2-3461
Metrairie, La, 3401 Bissonet Dr Vernon 5-3220
Midland Tex, P O Box 5133 Mutual 3-1661
Tulsa, Okla, 6753 E 26 Pl Gibson 7-3758

W K Mitchell & Co, Inc, 2940 Ellsworth St, Phila 46, Pa Dewey 4-0731

MIXING EQUIPMENT CO, INC, 139 Mt Read Blvd, Rochester 3, N Y Idlewood 6-5550
N Y 6, 136 Liberty St Cortlandt 7-7015

Modern Welding Co, Inc, 1500 E 12 St, Owensboro, Ky Murray 3-5323
Bowling Green, Ky, 906 Payne St Victor 2-1614
Burlington, Iowa, 2818 Mt Pleasant Rd Plaza 4-6577
Houston, Tex, 715 Sakowitz St Orchard 2-0556
Madisonville, Ky, 1109 5 Main St Taylor 1-3575
Newark, Ohio, 72 Waldo St Diamond 4-5420
Orlando, Fla, 1801 Atlanta Ave Cherry 1-4405
Owensboro, Ky, 119 Frederica St MU 4-1515

Mohawk Mfg Corp, RD1, P O Box 305A, Whitehouse Sta, N J 533

Moeller Instrument Co, 132 St & 89 Ave, Richmond Hill 18, N Y Virginia 9-2100

Monarch Mfg Works, Inc, 2501 E Ontario St, Phila 34, Pa Regent 9-8209

Kenneth J Moore & Co, 1778 W Estes Ave, Chicago 26, Ill Sheldrake 3-4729

Moore Products Co, H & Lycoming Sts, Phila 24, Pa Jefferson 3-3500
Atlanta 5, Ga, 3133 Maple Dr N E Cedar 3-4761
Chicago 49, Ill, 1809 E 71 St, Rm 207 Plaza 2-5748
Cleveland 17, O, 25000 Euclid Ave Andrews 1-2250
Detroit 20, Mich, 22750 Woodward Ave Lincoln 7-9515
Houston 23, Tex, 901 S 75 St Walnut 1-0292
Los Angeles 45, Cal, 6214 W Manchester Ave Oregon 8-4656
Louisville 7, Ky, 131 Breckenridge Lane Twinbrook 5-9073
New Orleans 18, La, 3629 S Carrollton Ave, Rm 202 Amherst 1771
N Y 17, 51 E 42 St Murray Hill 7-7965
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Fieldbrook 1-9000

Moto-Truc Co, 1953 E 59 St, Cleveland 3, Ohio Utah 1-9595

Munson Mill Machy Co, 210 Seward Ave, Utica, N Y SW 7-0090

Murray Iron Works Co, 1106 Washington Burlington, Iowa Plaza 4-6541

D J MURRAY MFG CO, 1002-1024 3 St, Wausau, Wis 2-2045

Myers Sherman Co, Streator, Ill 2-2176

N

N R C Equipment Corp, 160 Charlemont St, Newton 61, Mass Decatur 2-5800
Chicago 45, Ill, 3555 W Peterson Ave Irving 8-8676
Cleveland 3, Ohio, 4205 Chester Ave Henderson 1-0963
Detroit 35, Mich, 18055 James Couzens Hwy University 4-3893
Palo Alto, Cal, 499 Hamilton St Davenport 6-8273
Pittsburgh 37, Pa, 7929 Perry Hwy Forest 4-2866
Westwood, N J, 72 Westwood Ave 5-5156

Nagle Pumps, Inc, 1200 Center Ave, Chicago Heights, Ill Skyline 4-2940

Nash Engrg Co, S Norwalk, Conn Volunteer 6-3351
Cleveland 14, Ohio, 805 Union Commerce Bldg CH 1-0507
N Y 17, 420 Lexington Ave LE 2-3456

National Airoil Burner Co, 1348 E Sedgley Ave Phila 34, Pa Pioneer 3-5300
Houston 6, Tex, 2512 South Blvd Jackson 2-7070

NATIONAL CARBON CO, DIV UNION CARBIDE CORP, 30 E 42 St, N Y 17 Murray Hill 7-8000
Atlanta 9, Ga, 1371 Peachtree St, N E Trinity 3-2241
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Dallas 1, Tex, 1511 Bryan St Riverside 1-9176
Houston 27, Tex, P O Box 22127 Mohawk 7-5641
Kansas City 41, Mo, 910 Baltimore Ave, P O Box 888 Baltimore 1-2400
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
N Y 17, 292 Madison Ave Murray Hill 6-1700
Pittsburgh 22, Pa, Oliver Bldg, Mellon Sq Express 1-3800
San Francisco 6, Cal, 22 Battery St Yukon 2-1360

National Conveyors Co, Inc, 25 Industrial Ave, Fairview, Bergen County, N J Whitney 5-9136

National Cylinder Gas Div, Chemetron Corp, 840 N Michigan Ave, Chicago 11, Ill WH 4-3100
Branches in all principal cities

Natlgnal Drying Machy Co, 2713 N Hancock St, Phila 33, Pa Regent 9-4414

National Dust Collector Corp, 500 W Washington Blvd, Chicago 6, Ill State 2-6148

NATIONAL FILTER MEDIA CORP, 1717 Dixwell Ave, New Haven, Conn Chestnut 8-5566
Chicago 30, Ill, 6034 N Cicero Ave Spring 7-1661
Cincinnati 37, Ohio, Roselawn Center Bldg Redwood 1-9752
Houston 3, Tex, 1607 Jefferson Ave Capital 2-6992
Hudson, Ohio, 277 Hartford Dr Olympic 3-6970
(Los Angeles) Baldwin Park, Cal, 416 W 8 St Van Dyke 1611
Salt Lake City 10, Utah Empire 3-5113

National Instrument Labs, Inc, 828 Evarts St N E, Washington, D C NO 7-7582

National Ultrasonic Corp, 111 Montgomery Ave, Irvington 11, N J Essex 1-0550

National U S Radiator Corp, 221 Central Ave, Johnstown, Pa 7-4491
Branches in all principal cities

National Vulcanized Fibre Co, Maryland Ave & Beech St, Box 311, Wilmington, Del Olympia 5-6371
(Baltimore) Towson 4, Md, 7301 York Rd Valley 3-0393
(Boston) Waltham 54, Mass, 62 Prospect St Twinbrook 4-3500
(Chicago) Broadview, Ill, 2415 Gardner Rd Austin 7-1935
Cincinnati 2, Ohio, 30 E Central Pkwy Garfield 1-0632
Cleveland 18, O, 2000 Lee Rd Erieview 1-0240
Dallas 28, Tex, 2331 Gus Thomasson Rd Davis 4-4386
Detroit 35, Mich, 18075 James Couzens Hwy University 3-3632
Griffin, Ga, P O Box 37 8-1308
Indianapolis 18, Ind, 3513 N Hovey St Walnut 3-6381
Los Angeles 22, Cal, 2216 S Garfield Ave Raymond 3-0291
Milwaukee 2, Wis, 739 N Broadway Broadway 6-6995
New Haven 10, Conn, 7 Whitney Ave Locust 2-3594
N Y 7, 50 Church St Cortlandt 7-3895
Newark 2, N J, 1060 Broad St Mitchell 2-6090
(Phila) Upper Darby, Pa, 6816 Market St Sherwood 8-0760
Pittsburgh 12, Pa, 119 Federal St Fairfax 1-3939
Rochester 18, N Y, 895 Winton Rd S Hillside 5-0900
St Louis 5, Mo, 2 S Brentwood Blvd Parkview 5-9577
St Petersburg, Fla, 2411 Covina Way S 5-5505
(San Francisco) Palo Alto, Cal, 535 Middlefield Rd Davenport 6-4667
Seattle 3, Wash, 4001 Whitman Ave Melrose 7298

Neff & Fry Co, 150 S Main St, Camden, Ohio Globe 2-1216
Jersey City 4, N J, Communipaw Ave Henderson 3-5834

NEIRAD INDUSTRIES, INC, 1078 Post Rd, Darien, Conn Oliver 5-2505

Neptune Meter Co, 19 W 50 St, N Y 20 Columbus 5-3994
Atlanta 18, Ga, 200 Permalume Pl N W Sycamore 4-8215
Boston 16, Mass, 250 Stuart St Hancock 6-9123
Chicago 24, Ill, 4048 W Taylor St Sacramento 2-4014
Dallas 7, Tex, 315 Cole St Riverside 1-4904
Denver 7, Col, 3815 Forest St Dudley 8-1523
Los Angeles 22, Cal, 5540 E Harbor St Raymond 3-4571
Louisville 17, Ky, 320 Eastern Pkwy Melrose 5-6389
N Kansas City 16, Mo, 25 W 15 St Grand 1-3345
(Phila) Bala-Cynwyd, Pa, 7 Bala Ave Trinity 7-6404
Portland 10, Ore, 2680 N W Thurman St Capitol 8-0131

(San Francisco) Millbrae, Cal, 101 Rollins Rd Oxford 7-4477
Neptune Pump Mfg Co, 4912 N 6 St, Phila 20, Pa Davenport 9-2882
New England Tank & Tower Co, 85 Tileston St, Everett, Mass Dunkirk 7-0318
New London Engrg Co, 1700 Division St, New London, Wis 1000
Newark Steel Drum Co, Inc, 1200 W Blanke St, Linden, N J Hunter 6-1100
N Y C Cortland 7-8151
Newark Wire Cloth Co, 351 Verona Ave, Newark 4, N J Humboldt 3-7700
NIAGARA BLOWER CO, 405 Lexington Ave, N Y 17 Oxford 7-6151
Buffalo, N Y, 673 Ontario St
Niagara Filters Div, American Mach & Metals Co, E Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y, 233 Broadway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333 G St N W Republic 7-3875
Nichols Engrg & Research Corp, 70 Pine St, N Y 5 Whitehall 3-5520
San Francisco 4, Cal, 405 Montgomery St Douglas 2-4386
Nooter Corp, 1418 S 2 St, St Louis 4, Mo Main 1-6000
Norcross Corp, 244 Newtonville Ave, Newton 58, Mass Decatur 2-3410
Haddonfield, N J, 211 Covered Bridge Rd Hazel 8-4161
Nordberg Mfg Co, 3073 S Chase Ave, Milwaukee 1, Wis Sheridan 4-2345
Cleveland 20, O, 3537 Lee Rd Wyoming 1-7713
Dallas 6, Tex, 143 Meadows Bldg Emerson 8-4644
Duluth, Minn, 600 Alworth Bldg Randolph 7-6077
Houston 2, Tex, 1811 Crawford St Capitol 4-1406
Kansas City 11, Mo, 4528 Main St Jefferson 1-9294
Minneapolis 1, Minn, 123 S 3 St Federal 8-8225
New Orleans 12, La, 124 Camp St Tulane 5192
N Y 17, 60 E 42 St Murray Hill 7-7666
St Louis 18, Mo, 3300 S 2 St Prospect 6-3050
San Francisco 7, Cal, 674 Harrison St Exbrook 2-3305
Washington 6, DC, 910 17 St N W National 8-2343
North American Mfg Co, 4455 E 71 St, Cleveland 5, Ohio Broadway 1-6000
Boston 60, Mass, 259 Walnut St Lasell 7-5979
Buffalo 16, N Y, 1441 Hertel Ave Export 2829
Chicago 40, Ill, 4554 N Broadway Longbeach 1-4418
Cincinnati 27, Ohio, 3810 West St (Mariemont) Bramble 1-4191
Detroit 35, Mich, 18423 James Couzens Hwy University 4-7191
Hammond, Ind, P O Box 2056 Tilden 4-6530
Indianapolis 8, Ind, 2213 N Meridian St Walnut 6-4383
(Phila) Drexel Hill, Pa, 5100 State Rd Clearbrook 9-1723
Pittsburgh 34, Pa, 300 Mt Lebanon Blvd Lehigh 1-0404
Plainfield, N J, Union Bldg, 9 Watchung Ave 6-6864
Salem, Ohio, 657 E State St, P O Box 195 Edgewood 2-5870
Norton Co, New Bond St, Worcester 6, Mass Swift 8-2511
Chicago 32, Ill, 4737 S Christiana Ave Lafayette 3-8700
Cleveland 3, Ohio, 1306 E 55 St Henderson 1-9500
Detroit 8, Mich, 5805 Lincoln Ave Trinity 5-8991
Huntington Park, Cal, 5905 Pacific Blvd Ludlow 2-8195
Phila 44, Pa, 4732 Stenton Ave Davenport 9-4452
Pittsburgh 23, Pa, Butler Rd, Box 9548 Etna Branch Hunter 6-7700
Teterboro, N J, Green & North Sts Hasbrouck Heights: Atlas 8-1711
N Y C: Wisconsin 7-5791
Norwalk Co, Inc, 19 N Water St, S Norwalk, Conn Temple 8-4766
Norwood Controls Unit, Detroit Controls, Div American Standard, 934 Washington St, Norwood, Mass 7-4010
Nu Steel Co, 1714 S Ashland Ave, Chicago 8, Ill Haymarket 1-5760
Nukem Products Corp, 111 Colgate Ave, Buffalo 20, N Y SO 0300

O

OPW-Jordan, Div OPW Corp, 6013 Wiehe Rd, Cincinnati 13, O Elmhurst 1-1352
Ogden Filter Co, Inc, 4214 Santa Monica Blvd, Los Angeles 29, Cal NO 2-2116
Ohmart Corp, 2240 Bogen St, P O Box 67 Station B, Cincinnati 22, Ohio Parkway 1-2302
Oilgear Co, 1560 W Pierce St, Milwaukee 4, Wis Mitchell 5-6715
Buffalo, N Y, 610 Englewood Ave Amherst 0575
Chicago 44, Ill, 4754 W Washington Blvd Austin 7-8649
Cincinnati 37, Ohio, 1720 Section Rd Redwood 1-5520
Cleveland 18, Ohio, 3109 Mayfield Rd Fairmount 1-7878
Elizabeth, N J, 570 N Broad St 2-0313
Los Angeles 29, Cal, 5327 Santa Monica Blvd Hollywood 5-3943
Rockford, Ill, 1404 N Main St 8-2855
Seattle 4, Wash, 914 Arctic Bldg Main 2-7445
Okonite Co, Subs Kennecott Copper Corp, 220 Passaic St, Passaic, N J Prescott 7-0400
Atlanta 8, Ga, 805 Peachtree St, N E Trinity 2-0771
Baton Rouge, La, 3170 Florida St Dickens 2-9892
Birmingham 5, Ala, 31 St & 7 Ave S AL 1-5293
Bluefield, Va, P O Box 509 Fairfax 6-1354
Boston 16, Mass, 1100 Statler Office Bldg Hancock 6-6080
Chicago 29, Ill, 6045 S Knox Ave Reliance 5-4415
Cincinnati 6, Ohio, 2904 Woodburn Ave Avon 1-1350
Cleveland 14, Ohio, 620 Engrs Bldg Prospect 1-7171
Dallas 1, Tex, 1011 Tower Petroleum Bldg Riverside 1-3209
Detroit 35, Mich, 511 Livernois St Jordan 6-3113
Houston 6, Tex, 3520 Montrose Blvd Jackson 6-3565
Jacksonville 7, Fla, 1623 Prudential Bldg Flanders 9-3231
Kansas City 5, Mo, 1004 Baltimore Ave Grand 1-6991
Los Angeles 13, Cal, 427 W 5 St Madison 9677
Memphis, Tenn, P O Box 8122 Broadway 6-3045
Minneapolis, Minn, 3418 E Lake St Parkway 4-7214
Mobile, Ala, 951 Government St Hemlock 3-4854
New Orleans 12, La, 860 St Charles St Jackson 5-0279
N Y 17, 501 5 Ave Murray Hill 7-0400
Phila 3, Pa, 1158 Suburban Sta Bldg Rittenhouse 6-8828
Portland 5, Ore, 880 Pittock Block Capitol 8-3173
Roanoke 15, Va, 2508 Laburnum Ave S W Diamond 2-4316
St Louis 3, Mo, 1221 Locust St Chestnut 1-6043
San Francisco 24, Cal, 701 Phelps St Valencia 4-7474
Seattle 1, Wash, 1011 Securities Bldg Main 4-5277
Syracuse 3, N Y, 216 Burnet Ave Granite 9-5560
Wilkes-Barre, Pa, 72 Hazle St Valley 2-1144
D W Onan & Sons, Inc, 2515 University Ave S E, Minneapolis 14, Minn FE 2-1155
Orr & Sembower, Inc, Reading, Pa FR 5-4341
Owens-Illinois Glass Co, P O Box 1035, Toledo 1, Ohio CH 2-6543
Branches in all principal cities
Closure & Plastics Div
Glass Container Div
Mill Div
Chicago 1, Ill, 1538 LaSalle, Wacker Bldg
N Y 17, 405 Lexington Ave
Multi-Wall Bag Div
Boston, Mass
Buffalo, N Y
Charlotte, N C
Chicago, Ill
Cleveland, Ohio
Houston, Tex
Jacksonville, Fla
Memphis, Tenn
Minneapolis, Minn
N Y C
Phila, Pa
Toledo, Ohio
Paper Products, Div
Oxy-Catalyst, Inc, Berkley Rd, Wayne 6, Pa Murray 8-3200
Burbank, Cal, 3607 W Magnolia Victoria 9-5303

P

Pacific Pumps, Inc, Div Dresser Industries, Inc, 5715 Bickett St, Huntington Park, Cal Ludlow 8-2203
Atlanta, 3166 Maple Dr, NE
Baton Rouge, La, 1523 Choctaw Dr, P O Box 59 Walnut 1-8937
Chicago 3, Ill, 79 W Monroe St Franklin 2-5712
Cleveland 3, Ohio, 4500 Euclid Ave Endicott 1-3773
Houston 10, Tex, 1619 Ovid St, P O Box 2616 Capitol 8-2331
Los Angeles, Cal, 5715 Bickett St
N Y 17, 122 E 42 St Oxford 7-2800
Phila 3, Pa, 1612 Market St Locust 7-7074
San Francisco 5, Cal, 593 Market St Garfield 1-4956
Tulsa, Okla, 1358 S Sheridan Ave, P O Box 5428
Pacific Transducer Corp, 11836 W Pico Blvd, Los Angeles 64, Cal Granite 8-1134
Pacific Tube Co, 5710 Smithway St, Los Angeles 22, Cal Raymond 3-1331
Packed Column Corp, 30 Church St, N Y 7 Worth 2-7240
Packless Metal Hose, Inc, 730-85 S Columbus Ave, Mt Vernon, N Y MO 8-3443
Page Steel & Wire Div, American Chain & Cable Co, Inc, 1 & River Sts, Monessen, Pa
Palo Lab Supplies, Inc, 81 Reade St, N Y 7 CO 7-0075
Pangborn Corp, 520 Pangborn Blvd, Hagerstown, Md RE 9-3500
Augusta, Ga, P O Box 842 Regent 6-7258
Birmingham 9, Ala, 1731-C Valley Ave Tremont 9-4921
Cincinnati 27, Ohio, 6914 Miami Rd Bramble 1-8944
Cleveland 6, Ohio, 9802 Euclid Ave Sweetbriar 1-2770
Detroit 2, Mich, 1012 Stephenson Bldg Trinity 5-5311
Houston 2, Tex, 1201 Scanlan Bldg Capitol 7-1663
Lansdowne, Pa, 212 Lansdowne Center Bldg Madison 3-5002
Milwaukee 7, Wis, 821 E Oklahoma Ave Humboldt 1-0380
Newark 2, N J, 1025 Broad St Mitchell 2-2461
Oak Park, Ill, 405 S Blvd Euclid 3-5720
Pasadena 1, Cal, 595 E Colorado St Ryan 1-6715
Pittsburgh 21, Pa, 700 Wood St, Rm 305 Churchill 1-3919
Portland 14, Ore, 208 SE Hawthorne Blvd BE 2-6640
Rock Island, Ill, 2223 24 St 8-3495
(St Louis) Kirkwood, Mo, 10406 Manchester Rd Taylor 2-0212
Snyder 26, N Y, 67 Charlestown Rd Circle 4386
Springfield 3, Mass, 121 Lyman St Republic 3-2077
Syracuse 2, N Y, 406 Syracuse Kemper Ins Bldg Harrison 2-2070
Paper Thermometer Co, 10 Stag Dr, Natick, Mass Olympic 3-4021
Parker Fittings & Hose Div, Parker-Hannifin Corp, 17325 Euclid Ave, Cleveland 12, Ohio KE 1-3000
Parks-Cramer Co, P O Box 444, Fitchburg 27, Mass Diamond 3-3796
Atlanta, Ga, P O Box 1355 Jackson 3-8709
Charlotte 1, N C, 2000 S Blvd Edison 2-5002
Par-Pak Co, Inc, 19850 Ingersoll Dr, Cleveland 16, O Edison 3-1033
Parr Instrument Co, 211 53 St, Moline, Ill 2-7716
Patterson Foundry & Mach Co, Div Ferro Corp, 1250 St George St, E Liverpool Ohio Fulton 5-2400
Baltimore 5, Md, 1605 Court Sq Bldg Plaza 2-2977
Boston 9, Mass, 79 Milk St Hancock 6-1997
Chicago 44, Ill, 338 N Central Ave Estebrook 9-5788
Cincinnati 39, Ohio, 2617 Altura Dr Dunbar 1-2330
Cleveland 5, O, 4150 E 56 St Michigan 1-9330
Detroit 26, Mich, 424 Book Bldg Woodward 1-9404
Los Angeles 43, Cal, 4710 Crenshaw Blvd Axminster 3-6211
N Y 17, 527 Lexington Ave Plaza 3-6122
Porcelain Div, Ferro Corp, 1250 St George St, E Liverpool, Ohio
Patterson-Kelly Co, Inc, E Stroudsburg, Pa 820
Boston 16, Mass, 96-A Huntington Ave Kenmore 6-1512
Milwaukee 16, Wis, 4003 W Capitol Dr Uptown 3-7720
N Y 17, 101 Park Ave Murray Hill 3-8373
Oak Park, Ill, 6641 W North Ave Estebrook 8-3026
Phila 3, Pa, 1700 Walnut St Pennypacker 5-4950
Peerless Pump Div, Food Machy & Chem Corp, 301 W Ave 26, Los Angeles 31, Cal Capitol 1-3151
Chicago 4, Ill, 53 W Jackson Blvd Wabash 2-1147
Decatur, Ga, 153 Grove Pl Drake 7-2667
Lubbock, Tex, 2307 Clovis Rd Porter 3-1921
N Y 5, 37 Wall St Digby 4-4350
Pelamay Products, 801-805 E 140 St, N Y 54 WY 3-9500
Penberthy Mfg Co, 1242 Holden, Detroit, Mich TR 5-0900
(Chicago) Melrose Pk, Ill, 1638 N 14 Ave Fillmore 5-1314
N Y C, 100 Church St Rector 2-1888
(Phila) Haddonfield, N J, 120 Redman Yellowstone 1-1967
Penn Controls, Inc, Goshen, Ind 3-2111
(Atlanta) Doraville, Ga, P O Box 306 Glendale 7-0131
Berkeley 2, Cal, 2729 San Pablo Ave Thornwall 5-8320
Birmingham 12, Ala, 713 S 59 St, Lyric 2-0711
(Boston) Newton 58, Mass, 175 Adams St Decatur 2-2100
(Chicago) Lombard, Ill, 19 W 645 Roosevelt Rd Mayfair 7-7430

(Continued)

Penn Controls, Inc (cont'd)
Cleveland 3, Ohio, 6207 Superior Ave Henderson 2-1950
Columbus 21, Ohio, 2085 Kentwell Rd Hudson 6-2633
Dallas 7, Tex, 100 Glass St Riverside 2-8260
Dayton 10, Ohio, 1970 S Smithville Rd Clearwater 4-1251
Los Angeles 26, Cal, 333 Glendale Blvd Dunkirk 3-6755
Milwaukee 5, Wis, 4738 W Lisbon Ave Uptown 3-4411
Moline, Ill, 535 5 Ave Bldg 4-0014
(N Y C) Ridgefield, N J, 1024 Edgewater Ave Whitney 3-1810
(Phila) Rockledge 11, Pa Pilgrim 2-3595
Pittsburgh 16, Pa, 2961 W Liberty Ave Locust 1-2564
Rochester 18, N Y, 2126 Monroe Ave Hillside 5-3264
St Louis 10, Mo, 4401 Chouteau Ave Jefferson 1-4313
Seattle 1, Wash, 3010 1 Ave Seneca 5450
Wichita 2, Kan, P O Box 1339 Murray 4-3193

Pennsylvania Forge Div, Chemetron Corp, Milnor & Bleigh Sts, Phila 35, Pa MA 4-3666

Pennsylvania Pump & Compresser Co, Buskill Blvd, Easton, Pa BL 3-4276
Hoboken, N J, 77 River St 4-0100
Phila, Pa, Fox Bldg, 16 & Market Sts Rittenhouse 6-5531

Perkin-Elmer Corp, Main Ave, Norwalk, Conn Victor 7-2422
Chicago 1, Ill, Carbide & Carbon Bldg, 230 N Michigan Ave State 2-5299
Houston Tex, 4215 Graustark Ave Jackson 8-1075
Monrovia, Cal, 348 W Foothill Blvd Elliott 9-2549
New Orleans, La, Lee Circle Bldg, Rm 263 Tulane 08-72-3
Silver Spring, Md, 8055 13 St Juniper 8-9111

Perkin Engrg Corp, 345 Kansas St, El Segundo, Cal Oregon 8-7215
Lawrence, Mass, 46 Amesbury Murdock 3-3252
Paoli, Pa, 42 E Lancaster Niagra 4-6278

Permacel, Inc, U S Hwy 1, New Brunswick, N J Charter 7-7900
Atlanta, Ga, 1080 Dill Ave S W P O Box 267, Sta A Plaza 8-2651
Boston 16, Mass, 344 Park Sq Bldg Hubbard 2-0898
Chicago, Ill, 222 W Adams St Dearborn 2-3588
Clayton 5, Mo, 10 S Brentwood Blvd Parkview 7-0114
Cleveland, O, 1633 Illuminating Bldg, 55 Public Sq Tower 1-5871
Ferndale 20, Mich, 615 Livernois Ave Lincoln 7-0200
Los Angeles 58, Cal, 4827 E 49 St Ludlow 3-1041
N Y 7, 7 Dey St Worth 2-2340
San Francisco 3, Cal, 489 6 St Yukon 2-4742
Wynnewood, Pa, 7 Wynnewood Rd Trinity 8-5200

(The) Permutit Co, Div Pfaudler Permutit, Inc, 50 W 44 St, N Y 36 Oxford 7-6600
(Boston) Needham Hts 94, Mass, 50 Kearney Rd P O Box 64 Hillcrest 4-0052
Chattanooga 2, Tenn, 517 Hamilton Natl Bank Bldg Amherst 6-4544
Chicago 2, Ill, 111 W Washington St State 2-2298
Cincinnati 2, Ohio, 617 Vine St Parkway 1-2110
Cleveland, Ohio, 1836 Euclid St Main 1-2678
Detroit 1, Mich, 211 Woodward Ave Woodward 2-2689
Houston 4, Tex, 4101 San Jacinto St Jackson 3-1498
Jacksonville 4, Fla, 704 Gilmore St Elgin 3-3725
Kansas City 8, Mo, 2201 Grand Ave Grand 1-5123
(Los Angeles) Glendale 4, Cal, 302-B S Grand Blvd Chapman 5-2695
Minneapolis 3, Minn, 1111 Nicollet Ave Federal 5-7855
Phila 4, Pa, 101 N 33 St Baring 2-1600
Pittsburgh 22, Pa, 708 Empire Bldg Grant 1-1747
Ridgewood, N J, 10 Wilsey Sq Gilbert 5-2030
Rochester 1, N Y, P O Box 11 Idlewood 6-2553
St Louis 8, Mo, 818 Olive St Main 1-4770

Perry Products Co, 1421 N 6 St, Phila 22, Pa PO 3-3505

Petra Mfg Co, 1335 N Wells St, Chicago 10, Ill Whitehall 4-3747

Petro-Chem Development Co, Inc, 122 E 42 St, N Y 17 Oxford 7-1620

Pettibone Mulliken Corp, 4700 W Division, Chicago, Ill Spaulding 2-9300
Atlanta 5, Ga, 3130 Maple Dr N E Cedar 3-5480
Chicago, Ill, 141 W Jackson Blvd Wabash 2-4580
N Y C, 350 5 Ave LO 5-7667
Paramus, N J, 18 E Ridgewood Ave Gilbert 4-2546
San Francisco, Cal, 593 Market St Garfield 1-7294

Pfaudler Co, Div Pfaudler Permutit Inc, 1000 West Ave, Rochester 3, N Y Beverley 5-1000
(Albany) Delmar, N Y, 58 Delmar Pl 9-3180
Baton Rouge, La, 3540 Plank Rd Elgin 5-3014
(Boston) Needham Hts 94, Mass, 50 Kearney Rd Hillcrest 4-5450
Chattanooga 11, Tenn, 310 N Moore Rd Amherst 6-4318
Chicago 2, Ill, 111 W Washington St State 2-2121
Cincinnati 6, Ohio, 2320 Victory Pkwy Avon 1-6053
(Cleveland) Elyria, Ohio, Taylor St Fairfax 3-3191
Detroit 1, Mich, 720 Francis Palms Bldg Woodward 3-6846
Hoboken, N J, 33 Newark St Oldfield 9-1933
N Y C: Barclay 7-4284
Houston 13, Tex, 4101 San Jacinto Jackson 6-3289
(Los Angeles) Glendale 4, Cal, 302-B S Brand Blvd Chapman 5-5607
Miami Beach, Fla, 8827 Byron Ave Union 6-0046
Minneapolis 3, Minn, 1111 Nicollet Ave Federal 5-0874
Phila 4, Pa, 33 & Arch St Baring 2-7474
Pittsburgh 36, Pa, 4625 Clubvue Dr Tuxedo 2-9073
Portland, Ore, 2000 SE Madison St Belmont 2-9148
St Louis 1, Mo, 818 Olive St Central 1-2889
San Francisco 3, Cal, 157 13 St Underhill 1-7061
Tulsa, Okla, 5129 E 27 Pl Gibson 7-8922
(Washington, D C) Silver Spring, Md, 8605 Cameron St Juniper 9-3731
W Palm Beach, Fla, 235 Alhambra Pl Justice 2-2180

H A Phillips & Co, 3255 W Carroll Ave, Chicago 24, Ill Nevada 8-1116

Pioneer Rubber Co, Tiffin Rd, Willard, Ohio 3-2211
Dallas 7, Tex, 1515 Dragon St Riverside 8-3403
Los Angeles 54, Cal, 644 N Vermont Ave Normandie 2-1126

Pittsburgh Corning Corp, 1 Gateway Center, Pittsburgh 22, Pa Court 1-2900
Atlanta 9, Ga, 968 Peachtree St NE Trinity 2-4402
Chicago 6, Ill, 205 W Wacker Dr Financial 6-2376
Houston 2, Tex, 1607 Jefferson Ave Capitol 7-1619
N Y 17, 579 5 Ave Murray Hill 8-8350
Phila 2, Pa, 225 S 15 St Kingsley 6-3510

Pittsburgh-Des Moines Steel Co, 3484 Neville Island, Pittsburgh 25, Pa FE 1-3000
Atlanta 5, Ga, 361 E Paces Ferry Rd N E Cedar 7-3779
Baltimore 26, Md, P O Box 3459, Curtis Bay Sta State 9-8000
Chicago 3, Ill, 688 1 Natl Bank Bldg State 2-2252
Dallas 1, Tex, 1289 Praetorian Bldg Riverside 2-4524
Denver 2, Colo, 323 Railway Exchange Bldg Main 3-1018
Des Moines 8, Iowa, 985 Tuttle St Cherry 3-3261
El Monte, Cal, P O Box 2012 Forest 0-2675
Fresno, Cal, 346 G St 4-4651
N Y 17, 200 E 42 St Murray Hill 7-4760
Santa Clara, Cal, 691 Alviso Rd Axminster 6-0868
Seattle 1, Wash, 500 Wall St Mutual 6878
Stockton, Cal, 348 N Harrison St Howard 6-5151

Pittsburgh Lectrodryer Div, McGraw-Edison Co, 357 32 St, Pittsburgh, Pa Grant 1-8782
Park Forest, Ill, 18 Plaza Pilgrim 8-4828

Plas-Tech Equipment Corp, 751 Main St, Waltham 54, Mass Twinbrook 3-1800

Plastic Applicators, Inc, 7020 Katy Rd, P O Box 7631, Houston 7, Tex UN 9-3611
Baton Rouge, La, 6300 Rawlins, P O Box 2963 EL 7-6365
Corpus Christi, Tex, 410 Naples St TU 2-3552
Dallas, Tex, 9030 Longmont Drive DI 8-4160
Harvy, La, 1 Ave, P O Box 388 FI 1-1636
Hobbs, N M, 303 E Temple, P O Box 1562 EX 3-8533
Lafayette, La, 1004 E St Mary St, P O Box 1613 CE 4-5779
Midland, Tex, 3400 Baumann OX 4-5255
Odessa, Tex, 300 W 61 St, P O Box 2749 EM 6-4491
Shreveport, La, 3805 Parkway Dr, Apt A 8-1462

Platecoil Div, Tranter Mfg, Inc, 717 E Hazel St Lansing 9, Mich Ivanhoe 4-4531

Plax Corp, 101 Granby St, Bloomfield, Conn Chapel 2-6221
(Chicago) Park Ridge, Ill, 911 Busse Hwy Talcott 5-2141
Cincinnati, Ohio, 1720 Section Rd Redwood 1-8124
N Y 36, 500 5 Ave Pennsylvania 6-9354
Phila, Pa, 514 Western Savings Fund Bldg Pennypacker 5-3032

Plibrico Co, 1820 N Kingsbury St, Chicago 14, Ill Lincoln 9-7014
N Y 36, 55 W 42 St Pennsylvania 6-1039

Polyfab Co, 2855 W Ave 35, Los Angeles 65, Cal Clinton 7-8105

Polymer Corp, 2120 Fairmount Ave, Reading, Pa Franklin 6-5791
Chicago 45, Ill, 3760 W Devon Ave Cornelia 7-8050
N Y 11, 168 9 Ave Watkins 9-7901

Popper & Sons, Inc, 300 4 Ave, N Y 10 Oregon 4-5500

H K Porter Co, Inc Forge & Fittings Div (W-S Fittings Works) P O Box 95, Dept 459-CW, Roselle, N J Chestnut 1-1600
Atlanta, Ga, 561 Paige Ave NE Cedar 7-5420
(Chicago) Park Ridge, Ill, 920 S Aldine Ave Talcott 5-2309
Houston, Tex, 2102 Tennessee Bldg Capitol 8-4625
(Los Angeles) Anaheim, Cal, 630 Amboy St Keystone 5-5475
(Phila) Wyncote, Pa, 414 Greenwood Ave Waverly 7-2245
(St Louis) Florissant, Mo, 915 Bellamine Lane Temple 7-1795
Seattle, Wash, 11475 35 Ave SW Main 2-3496
Tulsa, Okla, P O Box 3573 Luther 2-5538

Thermoid Div, Tacony & Comly Sts, Phila 24, Pa Jefferson 3-4800
Atlanta 8, Ga, 730 Peachtree St NE Trinity 3-3571
Chicago 32, Ill, 3403 W 48 Pl Cliffside 4-3800
Houston 10, Tex, 5978 Armour Dr WA 6-7463
Los Angeles 21, Cal, 1100 S Sante Fe Ave Market 7-9351
New Kensington, Pa, 450 2 St Atlantic 1-0151
St Louis 10, Mo, 4006 Papin St JE 5-6645
S San Francisco 7, Cal, 129 Sylvester St Plaza 6-1772
Trenton 6, N J, 200 Whitehead Rd Juniper 7-3000

Posey Iron Works, Inc, 558 S Prince St, Lancaster, Pa Express 7-5211
N Y 17, Graybar Bldg, 420 Lexington Ave Murray Hill 3-9480

Horace T Potts Co, See Speedline Fittings Div

Wm Powell Co, 2525 Spring Grove Ave, Cincinnati 22, Ohio Dunbar 1-4600
Boston 16, Mass, 2311 John Hancock Bldg Hancock 6-1577
Chicago 6, Ill, 205 W Wacker Dr Financial 6-2550
Cleveland 15, Ohio, 1044 Hanna Bldg Prospect 1-7735
Houston 27, Tex, 3214 Mercer St
Los Angeles 5, Cal, 3540 Wilshire Blvd
N Y 7, 50 Church St Beekman 3-7242
Portland 4, Ore, 317 Builder's Exch Bldg Capitol 8-6443
St Louis 8, Mo, 4053 Lindell Blvd Jefferson 5-6640
St Paul 14, Minn, 2200 University Ave Midway 5-3909
San Francisco 5, Cal, 461 Market St Exbrook 2-2704

Powers Regulator Co, 3400 Oakton St, Skokie 73, Ill Orchard 3-6700
Branches in all principal cities

Prater Pulverizer Co, 1515 S 55 Ct, Chicago 50, Ill Bishop 2-1131

Precision Thermometer & Instrument Co, 1434 Brandywine St, Phila 30, Pa RI 6-6671

PRESSED STEEL TANK CO, 1448 S 66 St, Milwaukee 14, Wis Greenfield 6-0500
Atlanta 9, Ga, 936 W Peachtree St, N W, Rm 134
Chicago 4, Ill, 208 S La Salle St, Rm 794
Columbus 15, Ohio, 1225 High-Long Bldg
Downingtown, Pa, 142 Wallace Ave
Los Angeles, Cal, 5327 Santa Monica Blvd, Rm 22
Marshfield, Mass, 107 Riverside Circle
N Y 17, 52 Vanderbilt Ave, Rm 1421

Prime-Mover Co, Hywy 22 E, Muscatine, Iowa Amherst 3-1761

J F Pritchard & Co of Cal, 4625 Roanoke Pkwy, Kansas City, Mo Jefferson 1-9500
Chicago 1, Ill, 35 E Wacker Dr Dearborn 2-4896
Houston 24, Tex, 1818 Bank of the Southwest CA 2-9496
N Y 17, 405 Lexington Ave Yukon 6-6561

Proctor & Schwartz, Inc, 7 St & Tabor Rd, Phila 20, Pa Davenport 9-6400

Productive Equipment Corp, 2926 W Lake St, Chicago 12, Ill Nevada 8-6701
Branches in all principal cities

Protective Lining Corp, 22 Woodhull St, Bklyn 31, N Y Main 4-7545

Protectoseal Co, 1920 S Western Ave, Chicago 8, Ill Chesapeake 3-1400

Prufcoat Labs, Inc, 63 Main St, Cambridge 42, Mass Eliot 4-0200
N Y 17, 50 E 42 St Murray Hill 2-2240

PULVA CORP, 614 High St, Perth Amboy, N J VA 6-3450

Pulverizing Machy Div, Metals Disintegrating Co, Inc, 33 Chatham Rd, Summit, N J Crestview 3-6360

Pyro-Electronic, Inc, 522 Lincoln Ave, Winnetka, Ill Hillcrest 6-6200

Pyrometer Instrument Co, Inc, 92 Portland Ave, Bergenfield, N J Dumont 4-5140

Q

Quincy Compressor Co, 217 Maine St, Quincy, Ill Baldwin 2-7700
Atlanta 3, Ga, 120 Houston St N E Jackson 4-0507
Charlotte 8, N C, 3100 S Blvd Jackson 3-4122
Chicago 7, Ill, 1138-40 W Washington Blvd Taylor 9-3090
Cincinnati 24, Ohio, 6531 Mels St Liberty 2-2163
Dallas 18, Tex, 9617 Shadydale Lane Riverside 7-2317

Detroit 35, Mich, 18051 James Couzens Hwy Diamond 1-1364
Houston 35, Tex, 5206 Jason St Mohawk 5-3523
Media, Pa, 311 W Baltimore Ave Lowell 6-5970
Minneapolis 4, Minn, 3020 E Franklin Ave Federal 9-1594
N Y 7, 30 Church St, Rm 507 Rector 2-3568
St Louis 3, Mo, 2647 Washington Blvd Jefferson 1-4952

R

R C Can Co, 9430 Page Ave, St Louis 14, Mo Hawthorne 7-1111
Arlington, Tex, 114 N Cooper St Crestview 4-8191
Hawthorne, Cal, 12530 Yukon Osborn 6-2273
Kansas City, Kans, P O Box 185 Atlantic 9-7020
Milwaukee, Wis, 401 S 7 Lane Broadway 2-1374
Rittman, Ohio, 40 N Industrial St 37

R-P & C Valve Div, American Chain & Cable Co, Inc, Tulpehocken & Lebanon Valley R R, Reading, Pa

Ransburg Electro-Coating Corp, 3939 W 56 St, P O Box 23122, Indianapolis 23, Ind TR 8-2311

Rapids Machy Co, Inc, 889 11 St, Marion, Iowa Drake 7-0280

Rapids-Standard Co, Inc, Rapistan Bldg, Grand Rapids 2, Mich GL 9-0281
Branches in all principal cities

Rathborne, Hair & Ridgeway Box Co, 1440 W 21 Pl, Chicago 8, Ill CA 6-0973
Lansdowne, Pa, 322 Lincoln Ave Sherwood 8-4292
Winter Park, Fla, 826 Malone Dr Orlando: Garden 2-1686

Ray Burner Co, 1301 San Jose Ave, San Francisco, Cal Delaware 3-5800
Jersey City, N J, 629 Grove St Oldfield 3-2561

Raybestos-Manhattan, Inc, 61 Willett St, Passaic, N J Gregory 3-2000
Birmingham 1, Ala, 1108 N 5 Ave Alpine 1-5272
Chicago 31, Ill, 6010 Northwest Hwy Rodney 3-2400
Dallas, Tex, 2809 Taylor St Riverside 1-5446
Denver, Col, 4500 York St Acoma 2-8264
Houston, Tex, 3012 Canal St Capitol 2-9951
Los Angeles 58, Cal, 4651 Pacific Blvd Ludlow 8-4251
Minneapolis 16, Minn, 6113 Excelsior Blvd West 9-7007
New Orleans, La, 1523 St Ferdinand St Whitehall 7-5509
Phila 3, Pa, 1138 Suburban Sta Bldg Rittenhouse 6-8310
Pittsburgh 22, Pa, 810 Empire Bldg Atlantic 1-3544
San Francisco 5, Cal, 131 Mission St Yukon 6-6114

Raymond Corp, 154 Madison St, Greene, N Y 202

Raymond Bag Corp, Div Albemarle Paper Mfg Co, Middletown, Ohio Garden 2-5461
Baltimore, Md, 32 South St Mulberry 5-5060
Chicago 6, Ill, 400 W Madison St Central 6-5593
Kansas City, Mo, 1015 Walnut St Baltimore 1-7830
N Y 6, 21 West St Hanover 2-4645

Ray-O-Vac Co, Div Electric Storage Battery Co, 212 E Washington Ave, Madison 10, Wisc Alpine 5-7201
Madison, Wisc, 317 W Johnson St Alpine 5-7201
Memphis, Tenn, 1388 Madison Ave Broadway 5-3167
N Y C, 1775 Bway Judson 2-0460
San Francisco, Cal, 111 Sutter St Yukon 2-9901

Read Standard Div, Capitol Products Corp, 901 S Richland Ave, York, Pa 8-2891
N Y 17, 370 Lexington Ave Murray Hill 6-0345

Ready Made Sign Co, Inc, 115 Worth St, N Y 13 Worth 4-3990

Red Jacket Co, Inc, 500-E Bell Ave, Carnegie, Pa WA 1-1202

Redmanson Corp, P O Box 1703, York, Pa 3-3857

Reed Roller Bit Co, Cleco Div, P O Box 2119, 5125 Clinton Dr, Houston 1, Tex Orchard 2-1761
Atlanta 9, Ga, 1299 Spring St, N W TR 4-8729
Baton Rouge, La, 3425 N Acadian Thruway EL 6-2563
Chicago 29, Ill, 5926 S Pulaski Rd PO 7-1166
Dallas 35, Tex, 2526 W Mockingbird Lane FL 2-9545
Detroit 21, Mich, 18071 Wyoming Ave UN 1-0047
Los Angeles 23, Cal, 2834 Tanager Ave RA 3-4787
Newark 3, N J, 75 Lock St MA 3-3692
Phila 20, Pa, 5220 N 5 St DA 4-5500
Pittsburgh 26, Pa, 423 McNeilly Rd LO 3-2330
St Louis 3, Mo, 2322 Locust St GA 1-4288

Reeve Electronics, Inc, 609 W Lake St, Chicago, Ill Randolph 6-9755

Reeves Pulley Co, Div Reliance Elec & Engrg Co, 1225 7 St, Columbus, Ind DR 6-3311
Atlanta 9, Ga, 544 Plaster Ave Trinity 5-0087
Burlingame, Cal, 1525 Adrian Rd Oxford 7-5341
Cambridge 40, Mass, 29 Camp St Trowbridge 6-3570
Chicago 41, Ill, 3300 N Knox Ave Mulberry 5-1500
Cleveland 18, Ohio, 13967 Cedar Rd Fairmount 1-7880
Detroit 21, Mich, 18067 Wyoming Ave Diamond 1-2109
Los Angeles 22, Cal, 2557 Yates Ave Raymond 3-8454
N Y 17, 155 E 44 St Oxford 7-7373
Phila 4, Pa, 33 & Arch Sts Evergreen 6-8831

Reliance Elec & Engrg Co, 24701 Euclid Ave, Cleveland 17, Ohio Redwood 2-7000
Branches in all principal cities
See also separate listings by divisions:
Master Elec Co Div
Reeves Pulley Co Div

Reliance Plastic & Chem Corp, 108 Kearney St, P O Box 2627, Paterson 26, N J Sherwood 2-7004

Edw Renneburg & Sons Co, 2639 Boston St, Baltimore 24, Md Peabody 2-1665

Republic Flow Meters Co, 2240 Diversey Pkwy, Chicago 47, Ill Brunswick 8-6000
Atlanta 1, Ga, P O Box 1297 Murray 8-7692
Birmingham 98, Ala, 906 Euclid Ave
Boston 10, Mass, 201 Devonshire St Hancock 6-4728
Buffalo 2, N Y, 1006 Prudential Madison 6530
Charleston 3, W Va, 513 Ford St DI 6-5363
Charlotte 2, N C, 127 W 7 St FR 5-6597
Cincinnati 8, Ohio, 3197 Linwood Ave East 1-6817
Detroit 23, Mich, 18230 Grand River Ave Broadway 3-6440
Houston 25, Tex, 2426 W Holcombe Blvd MO 4-3447
Long Island City 1, N Y, 26-09 Jackson Ave Stillwell 6-6119
New Orleans 25, La, 4010 Eden St UN 1-7061
(Phila) Ardmore, Pa, 308 Suburban Sq Bldg MI 2-8630
Pittsburgh 22, Pa, Investment Bldg Court 1-6855
St Louis 17, Mo, 1133 Brentwood Blvd Parkview 7-3204
San Francisco 11, Cal, 420 Market St Yukon 2-1072
(Seattle) Bellevue, Wash, P O Box 229 Main 5260

Republic Mfg Co, 15655 Brookpark Rd, Cleveland 35, Ohio CL 2-1800

Republic Rubber Div, Lee Rubber & Tire Co, Albert St, Youngstown 1, Ohio Riverside 3-2131
Chicago, Ill, 549 W Washington Blvd State 2-6350
Detroit, Mich, 807 New Center Bldg Trinity 5-2068
N Y C, 92 Liberty Pl Worth 4-0818
Phila, Pa, 22 & Race Sts Rittenhouse 6-6053

Republic Steel Corp, Republic Bldg, Cleveland 1, Ohio Prospect 1-1400
Birmingham 2, Ala, 1 Ave & 20 St AL 1-3281
Boston 16, Mass, 250 Stuart St Liberty 2-3641
Buffalo 3, N Y, 14 Lafayette Sq Madison 5760
Chicago 4, Ill, 322 S Michigan Ave Wabash 2-3279
Cincinnati 2, Ohio, 5 & Vine Sts Parkway 1-3801
Denver 2, Col, 1755 Glenarm Pl Main 3-5289
Detroit 2, Mich, 2008 Fisher Bldg Trinity 5-9300
Houston 2, Tex, Niels Esperson Bldg Capitol 2-0182
Indianapolis 4, Ind, 5 E Market St Melrose 2-5386
Los Angeles 17, Cal, 612 S Flower St Michigan 5144
N Y 17, 405 Lexington Ave Oxford 7-9500
Phila 3, Pa, 1617 Penna Blvd Rittenhouse 6-8900
Pittsburgh 22, Pa, 537 Mellon Sq Grant 1-2425
St Louis 3, Mo, 1221 Locust St Chestnut 1-8165
Seattle 1, Wash, 6636 White-Henry-Stuart Bldg Main 8583
Tulsa 3, Okla, 5 & Boston Sts Diamond 3-6263
Warren, Ohio, 1040 Pine Ave S W 2251-1
Washington, D C, 1625 K St N W National 8-5990

Steel & Tubes Div, 208 E 131 St, Cleveland 8, Ohio Glenville 1-2700
Birmingham 2, Ala, Empire Bldg 3-3281
Boston 16, Mass, 250 Stuart St Liberty 2-3622
Buffalo 3, N Y, Rand Bldg Madison 5760
Chicago 4, Ill, McCormick Bld Wabash 2-3279
Cincinnati 2, Ohio, Carew Tower Main 1-3965
Denver 2, Col, Continental Oil Bldg Main 3-5289
Detroit 20, Mich, 965 Wanda Ave (Ferndale) Jordan 4-6540
Houston 2, Tex, Niels Esperson Bldg Capital 0182
Indianapolis 4, Ind, Circle Tower Bldg Melrose 2-5386
Kansas City 5, Mo, Fairfax Bldg Harrison 1-1195
Los Angeles 58, Cal, 2900 E 44 St Ludlow 2-6276
Milwaukee 2, Wis, First Wis Natl Bank Bldg Broadway 1-4677
Moline, Ill, P O Box 82 2-4682
N Y 17, Chrysler Bldg Oxford 7-9500
Phila 3, Pa, Suburban Sta Bldg Rittenhouse 6-8900
St Louis 3, Mo, Shell Bldg Chestnut 1-8165
St Paul 1, Minn, First Natl Bank Bldg Capitol 7-6531
San Francisco 5, Cal, Rialto Bldg Garfield 1-8728
Seattle 1, Wash, White-Henry-Stuart Bldg Main 8583

Research-Cottrell, Inc, Bound Brook, N J Elliot 6-2600
Chicago 1, Ill, 228 N La Salle St Franklin 2-4546
N Y 17, 405 Lexington Ave Yukon 6-6622
Pittsburgh 19, Pa, Grant Bldg Atlantic 1-3773
San Francisco 4, Cal, 58 Sutter St Yukon 2-3852

Resisto Pipe & Valve Co, 259 Bridge St, Cambridge 41, Mass Trowbridge 6-4240

►RESISTOFLEX CORP, 10 Woodland Rd, Roseland, N J Capitol 6-7700
Bryn Mawr, Pa, 830 Lancaster Ave Lawrence 5-6159
Burbank, Cal, 2919 Empire Ave Victoria 9-4651
Camillus, N Y, 105 Forest Way Harrison 2-2283
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-8243
Cleveland 16, Ohio, 19615 W Lake Rd Edison 1-1170
Dallas 7, Tex, 135 Glass St Riverside 2-2396
Dayton 2, Ohio, 11 W Monument Bldg Baldwin 2-4033
Kansas City 15, Mo, 9729 Manor Rd Niagara 2-6843
Miami Springs, Fla, 5385 NW 36 St Tuxedo 5-3722

Revere Copper & Brass Inc, 230 Park Ave, N Y 17 Murray Hill 9-6800
Atlanta 18, Ga, 1310 Ellsworth Industrial Dr, N W Sycamore 4-7628
Boston 16, Mass, 108 Arlington St Hubbard 2-7190
Buffalo 7, N Y, 1807 Elmwood Ave Delaware 7616
Cincinnati 8, Ohio, Sta O, Box 26 Trinity 1-1232
Cleveland 7, Ohio, 14700 Detroit Ave Lakewood 1-2440
Cranston 10, R I, 30 Midway Rd Stuart 1-5253
Dallas 35, Tex, 8320 Chancellor Row, P O Box 35247 Fleetwood 7-4058
Dayton 5, Ohio, 4217 N Main St Crestview 4-2187
Denver 4, Col, 1219 California St Alpine 5-2066
Grand Rapids 2, Mich, Keeler Bldg Glendale 9-3301
Houston 4, Tex, 3101 Fannin St Jackson 9-3723
Indianapolis 20, Ind, 665 E 61 St Clifford 1-4505
Kansas City 11, Mo, 34 St & Broadway Logan 1-8403
Milwaukee 2, Wis, 828 N Broadway Broadway 1-1440
Minneapolis 27, Minn, 5620 W Broadway Kellogg 7-3639
N Y 17, 75 E 45 St Murray Hill 9-6800
Newington 11, Conn, 81 Market Sq Mohawk 6-2491
N Miami 61, Fla, 900 N E 125 St Plaza 1-1614
Pittsburgh 28, Pa, 666 Washington Rd Locust 1-8606
Rochester 4, N Y, 31 Gibbs St Baker 5-6540
St Louis 8, Mo, 3615 Olive St Jefferson 1-0300
San Francisco 11, Cal, World Trade Center Sutter 1-0282
Seattle 9, Wash, 314 Fairview Ave N Main 1401
Wynnewood, Pa, 1 Wynnewood Rd Greenwood 7-8326

Revolvator Co, 2098 86 St, N Bergen, N J Union 9-1220

Reynolds Elec Co, 3000 River Rd, River Grove, Ill Tuxedo 9-2232

Rheem Mfg Co, Container Div, 1701 Edgar Rd, Linden, N J Hunter 6-5400
Chicago, Ill, 7600 S Kedzie Ave Hemlock 4-7500
Houston, Tex, 1025 Lockwood Dr Orchard 2-1611
New Orleans, La, 4901 Jefferson Hwy Vernon 5-7331
Phila, Pa, Rm 1506, 1500 Walnut St Bldg Kingsley 5-5151
Richmond, Cal, 801 Chesley Ave Beacon 4-7114
S Gate, Cal, 4361 Firestone Blvd Lorain 7-1155
Sparrows Pt, Md, Box 6718 888
Tacoma, Wash, 1702 Pt of Tacoma Rd Fulton 3-5406

Richardson Scale Co, 668 Van Houten Ave, Clifton, N J Gregory 1-3400
Atlanta 3, Ga, 423 Grant Bldg Jackson 2-3238
Boyleston Center, Mass, P O Box 5 Underhill 9-2856
Buffalo 14, N Y, 127 Highgate Ave University 2320
Camillus, N Y, P O Box 483 Hunter 8-5056
Cincinnati 37, Ohio, 1720 Section Rd Jefferson 1-2824
Havertown, Pa, P O Box 602 Hilltop 6-1308
La Grange, Ill, P O Box 368 Fleetwood 2-7676
Memphis, Tenn, 211½ Court Ave Jackson 6-3481
Minneapolis 1, Minn, 133 W Island Ave Federal 9-0317
Omaha 11, Neb, 4923 N 30 St Pleasant 3599
San Francisco 4, Cal, 580 Market St Sutter 1-3724
Wichita 2, Kan, 1419 E Central Ave Amherst 2-6381

Rietz Mfg Co, 150 Todd Rd, Santa Rosa, Cal Liberty 5-2373
Chicago 26, Ill, 7001 N Clark St Rogers Park 4-4911
Houston 19, Tex, Box 13291 Jackson 2-0958
Seattle 7, Wash, 7336 17 Ave N W Sunset 3-9344
W Chester, Pa, Box 690, 939 S Matlack Rd Owens 6-6313

Riley Stoker Corp, 9 Neponset St, Worcester 6, Mass Pleasant 6-7111
Charlotte 4, N C, 309 Cole Bldg Edison 3-8849
Chicago 1, Ill, Prudential Plaza Mohawk 4-0636
Cleveland 14, Ohio, 857 Leader Bldg Main 1-2051
Detroit 7, Mich, 101 Walker St Lorain 7-1114
Jacksonville, Fla, 1723 Prudential Bldg Exbrook 8-5251
New Orleans 24, La, 5534 Canal Blvd Galvez 6962
N Y 16, 30 E 40 St Murray Hill 3-8693
Phila 7, Pa, 12 S 12 St Market 7-3000
Pittsburgh 19, Pa, 2511 Grant Bldg Express 1-1535
Syracuse, N Y, 472 S Salina St Harrison 2-1702

Robbins & Myers, Inc, 1345 Lagonda Ave, Springfield, Ohio Fairfax 3-6461
Chicago 41, Ill 5517 W Montrose Ave Spring 7-8970
Cleveland 15, Ohio, 3030 Euclid Ave Endicott 1-5510
Kansas City 8, Mo, Rm 361 Union Sta Harrison 2577
N Y 7, 57 Murray St Beekman 3-0331
(Phila) Upper Darby, Pa, 8418 W Chester Pike Sunset 9-2523

Robins Air-Activated Conveyor Systems, Div Morse Boulger Corp, 80 5 Ave, N Y 11 WA 9-8000

Robinson Clay Product Co, 65 W State St, Akron 9, Ohio PO 2-8601
Albany 4, N Y, 1357 Broadway 3-4139
Baltimore 2, Md 1546 Mathieson Bldg Mulberry 5-2930
Bloomfield, N J, 28 Orange St PI 8-7777
Boston 34, Mass, 22 Pratt St, Allston Sta ST 2-8900
Buffalo 10, N Y, 1146 Seneca St TR 3082
Chicago 46, Ill, 7100 N Lehigh Ave Edgebrook Sta NE 1-5700
East Hartford 8, Conn, 170 Tolland St BU 9-4389
Indianapolis 7, Ind, 1013-15 E 21 St WA 3-1507
Mt Vernon, N Y, 160 MacQueston Pkwy N 8-8686
(N Y C) Jamaica, L I, N Y, 107-10 180 St, P O Box 589 RE 9-7100
(Phila) Pottstown, Pa, P O Box 85 FA 6-1310
Rochester 11, N Y, 609 Buffalo Rd BE 5-6990
Syracuse 3, N Y, 534 Spencer St HA 2-9226

Rochester Mfg Co, Inc, 112 Rockwood St, Rochester 10, N Y BR 1-2020
Chicago 28, Ill, 12143 S Halstead St Interocean 8-8608
N Y 16, 274 Madison Ave Lexington 2-3230
Pasadena, Cal, 89 Beacon Pl Ryan 1-0253

Rockwell Mfg Co, 400 N Lexington Ave, Pittsburgh 8, Pa Churchill 1-8400
Atlanta 1, Ga, 1495 Northside Dr N W Trinity 6-2691
(Boston) Needham 92, Mass, 1233 Highland Ave Hillcrest 4-0035
Charlotte 2, N C, 1311 Wachovia Bank Bldg Edison 4-6466
Chicago 3, Ill, 122 S Michigan Ave Harrison 7-7821
Dallas, Tex, 310 Mercantile Commerce Bldg Riverside 7-2559
Denver 2, Col, 208 Mile High Center Bldg Main 3-0278
Detroit 26, Mich, 1862 Natl Bank Bldg Woodward 5-7667
El Paso, Tex, 615 1 Natl Bank Bldg
Houston 1, Tex, 1102 Delano St Capital 8-6601
Los Angeles 23, Cal, 3136 E 11 St Angelus 1-6107
New Orleans, La, 643 Natl Bank of Commerce Bldg Jackson 2-3531
N Y 1, 7701 Empire State Bldg Longacre 5-4830
N Kansas City 16, Mo, 1249 Burlington St Grand 1-4747
(Phila) Bala-Cynwyd, Pa, 1 Bala Ave Mohawk 4-0940
Pittsburgh 8, Pa, 390 N Lexington Ave
San Francisco 5, Cal, 525 Market St Garfield 1-0071
Seattle 99, Wash, 119 W Denny Way Murdock 8320
Shreveport, La, 328 Ricou-Brewster Bldg 3-1535
Tulsa 1 Okla, 3130 Sand Springs Rd Gibson 7-5144

W S Rockwell Co, 226 Eliot St, Fairfield, Conn Clearwater 9-1621

Ronningen-Petter Co, 330 S 27 St, Vicksburg, Mich Midway 9-5161

Roper Hydraulics, Inc, 340 Blackhawk Park Ave, Rockford, Ill WO 3-7671

Charles Ross & Son Co, Inc, 148-156 Classon Ave, Bklyn 5, N Y Main 2-8400

Rotherm Engrg Co, Inc, 7280 W Devon Ave, Chicago 31, Ill Newcastle 1-9292

Russell Mfg Co, Belting Div, 400 E Main St, Middletown, Conn Diamond 6-7721
Atlanta, Ga, 966 Marietta St N W Trinity 4-7415
Canton 8, O, 2912 Parkridge Dr NW Glendale 5-1326
Chicago, Ill, 549 E Illinois St Delaware 7-5666
Irvington, N J, 435 14 Ave, Essex 1-1114
Oakland, Cal, 553 5 Ave Glencourt 2-2422

Rust Proofing & Metal Finishing Corp, 75 Commercial Ave, Cambridge, Mass UN 4-7280

Ruthman Machy Co, 1803 Reading Rd, Cincinnati 2, Ohio Main 1-5462

S

S I Handling Systems, Inc, P O Box 70, Easton, Pa BL 3-4145
N Y 17, 420 Lexington Ave Murray Hill 9-5653

SKF Industries, Inc, Front St & Erie Ave, Phila 32, Pa Garfield 6-6400
Atlanta 9, Ga, 1052 W Peachtree St N W Trinity 5-8846
(Boston) Allston 34, Mass, 210 N Harvard St Algonquin 4-8400
Buffalo 2, N Y, 621 Genesee Bldg Washington 0966
Charlotte 3, N C, 2935 S Griffith, P O Box 3031 Jackson 3-6232
(Chicago) Melrose Park, Ill, 1800 N 25 Ave Mansfield 6-7456
Cincinnati 13, Ohio, 6115 Wiehe Rd Redwood 1-7117
Dallas 26, Tex, 2720 Taylor St Riverside 2-4116
Denver 2, Col, 1420 18 St Main 3-3924
Detroit 35, Mich, 18350 Schaefer University 4-9373
Los Angeles 7, Cal, 3131 S Hill St Richmond 9-3168
Minneapolis 4, Minn, 1228 7 St S Federal 3-8271
(N Y C) Teterboro, N J, 20 Henry St Atlas 8-1700
Portland 9, Ore, 1625 N W Hoyt St Capitol 8-4309
St Louis 10, Mo, 2149 Hampton Ave Mission 7-3444
San Francisco 7, Cal, 790 Tenessee St Mission 8-4625

Sabin Mach Co, 6536 Carnegie Ave, Cleveland 3, Ohio Henderson 1-3321

Safety Industries, Inc, P O Box 904, New Haven 4, Conn University 5-3171
Entoleter Div, 1187 Dixwell Ave, P O Box 904, New Haven 4, Conn UN 5-3171

St Regis Paper Co, 150 E 42 St, N Y 17 Oxford 7-4400
Atlanta, Ga, 202 Candler Bldg Jackson 3-5034
Baltimore 2, Md, 210 N Calvert St Plaza 2-7098
Birmingham, Ala, 2317 N 6 Ave Alpine 1-8227
Chicago 3, Ill, 18 S Michigan Ave Franklin 2-5671
Cleveland 4, O, 2910 E 75 St Broadway 1-4700
Dallas, Tex, 2236 Cockrell St Hamilton 1-4161
Los Angeles 17, Cal, 1125 W 6 St Michigan 8393
San Francisco, Cal, 235 Montgomery St Sutter 1-5910

J A Samuel & Co, Inc, 165 Broadway, N Y 6 Cortlandt 7-4567

Sarco Co, Inc, 635 Madison Ave, N Y 22 Plaza 8-2500
Chicago 41, Ill, 3209 N Lamon Ave Kildare 5-5415
L I C 1, N Y, 40-23 24 St Stillwell 6-3130
Newark 2, N J, 1175 Broad St Bigelow 2-2400
San Francisco 24, Cal, 1485 Bayshore Blvd Juniper 6-1917
Washington 6, D C, 923 Du Pont Circle Bldg Columbia 5-4324

Fred H Schaub Engrg Co, 2110 S Marshall Blvd, Chicago 23, Ill Bishop 7-4000

Scaife Co, Kellogg American Div, 26 Ann St, Oakmont, Pa Emerson 2-2100

Claude B Schneible Co, 2827 25 St, P O Box 296 Roosevelt Fk Annex, Detroit 16, Mich Tashmoo 5-7772

Schori Process Div, Ferro-Co Corp, 8-11 43 Rd, Long Island City 1, N Y ST 4-1270

Schramm, Inc, Virginia & Garfield Ave, W Chester, Pa Owen 6-2500
Chicago 39, Ill, 5550 W North Ave Tuxedo 9-4412
Los Angeles 21, Cal, 846 E 6 St Tucker 3-4177
N Y 6, 90 West St Cortlandt 7-0640
Oakland 12, Cal, Pacific Bldg, 16 & Jefferson Sts Higate 4-3982
Washington 7, D C, 1254 23 St N W Federal 3-7280

Schutte & Koerting Co, 16 State Rd, Cornwells Hts, Bucks County, Pa Mercury 9-0900
Buffalo, N Y, P O Box 2365 Amherst 9332
Chicago, Ill, P O Box 1098 Austin 7-6239
Houston 25, Tex, P O Box 20033 Madison 3-1252
Rutherford, N J, 7 Orient Way Webster 3-5566

Scintilla Div, Bendix Aviation Corp, Sidney, N Y Lowell 3-9511
Burbank, Cal, 117 Providencia Ave Thornwall 5-1571
Chicago 34, Ill, 4104 N Harlem Ave Gladstone 6-4031
Dallas 35, Tex, 2608 Inwood Road Fleetwood 2-2150
Orlando, Fla, 1922 A Taylor Ave Midway 7-3943
Seattle, Wash, 8425 1 Ave S Parkway 5-9100
Teaneck, N J, 545 Cedar Lane 6-5221
Washington 6, D C, 1701 K St NW Republic 7-3118

Scientific Glass Apparatus Co, Inc, 100 Lakewood Terr, Bloomfield, N J Pilgrim 3-2200
Albany 5, N Y, 1547 Central Ave Union 9-9141
Chicago 34, Ill, 3319 Harlem Ave Avenue 2-2343
Havertown, Pa, 111 Wilson Ave Hilltop 6-2924
Silver Spring, Md, 9419 Georgia Ave Juniper 7-7050
Winthrop, Mass, 256 River Road Ocean 3-0343

Ernest Scott & Co, Inc, P O Box 82, Fall River, Mass Osborne 7-9841

Scott Aviation Corp, 225 Erie St, Lancaster, N Y Regent 5100

Studio City, Cal, 13273 Ventura Blvd State 4-3046

Sealol Corp, Warwick Industrial Park, Providence 5, R I Stuart 1-4700
Cleveland, Ohio, 13305 Union Ave Washington 1-7234
Dayton 9, Ohio, P O Box 2122 Yorktown 3009
Detroit 36, Mich, 18401 E Warren Ave Tuxedo 2-3017
Houston, Tex, 710 Mimosa, Pasadena Greenwood 2-2316
N Y 4, 11 Broadway Whitehall 3-7936
Phila, Pa, P O Box 121, Lansdowne Chester 2-2226

Seederer-Kohlbusch, Inc, 25 S Van Brunt St, Englewood, N J Lowell 8-8900

Selas Corp of America, Limekiln Pike & Dreshertown Rd Dresher, Pa Mitchell 6-6600
Chicago 24, Ill, 3857 W Washington Blvd Van Buren 6-5443
Cleveland 18, Ohio, 1925 Lee Rd Fairmount 1-6800
Dayton 6, Ohio, 2118 Salem Ave Crestview 4-5492
Detroit 2, Mich, 334 Lexington Blvd Trinity 5-1221
(Hartford) Bloomfield, Conn, 860 PK Ave Chapel 2-2342
Houston 7, Tex, 8312 Hempstead Rd Underwood 4-7751
Los Angeles 57, Cal, 190 W 8 St, Suite 110 Dunkirk 8-2391
Newark 2, N J, 9 Clinton St Market 3-5226
N Y 17, 703 Chrysler Bldg Yukon 6-9654
Pittsburgh 34, Pa, 345 Mt Lebanon Blvd Locust 1-0115
Rochester 18, N Y, 895 Winton Rd S Greenfield 3-6370
Seattle 8, Wash, Boeing Field, Box 37 Parkway 3-5940

Semon Bache & Co, see listing under "B"

Serwell Products Co, 6541 Euclid Ave, Cleveland 3, Ohio EX 1-0497

Shand & Jurs Co, 2630 B St, Berkeley 10, Cal Asberry 3-2345
Chicago 43, Ill, 10409 S Western Ave Cedarcrest 3-5500
Cleveland 13, Ohio, Rm 1515 Terminal Tower Tower 1-3537
Houston 2, Tex, M & M Bldg Capitol 4-2541
Los Angeles 48, Cal, 6399 Wilshire Blvd Webster 5-2877
N Y 17, 110 E 42 St Murray Hill 2-0997
Tulsa 3, Okla, Thompson Bldg Diamond 3-8082

Sharples Corp, 2300 Westmoreland St, Phila 40, Pa Baldwin 8-9100
Atlanta 3, Ga, 904 William-Oliver Bldg Jackson 4-4566
Burlingame, Cal, 1100 Carolan Ave Diamond 3-4519
Chicago 4, Ill, 80 E Jackson Blvd Harrison 7-7639
Cleveland 7, Ohio, 14700 Detroit Ave Academy 1-0715
Detroit 38, Mich, 10600 Puritan Ave University 2-1097
Houston 2, Tex, 1712-A Niels Esperson Bldg Capitol 4-6720
N Y 17, 501 5 Ave Murray Hill 7-1640
St Louis 5, Mo, 7811 Cardondelet Ave Parkview 7-0608
Santa Ana, Cal, 10761 E 17 St Kimberly 7-6201
St Louis, Mo, 4378 Lindell Blvd Franklin 1-1071
(San Francisco) Burlingame, Cal, 1100 Carolan Ave Diamond 3-4519
Seattle 1, Wash, 811 Vance Bldg, 1402 3 Ave Mutual 4564
Whittier, Cal, 2216 Whittier Blvd Oxford 9-3210

SHERWIN-WILLIAMS CO, PIGMENT, COLOR & CHEM DIV, 260 Madison Ave, N Y 16 Lexington 2-5806
Boston 16, Mass, 30 Huntington Ave Copley 7-5450
Chicago 1, Ill, 188 W Randolph St Financial 6-0500
Cincinnati 39, Ohio, 1608 W Galbraith Rd Jackson 1-8484
Cleveland 1, Ohio, 101 Prospect Ave Tower 1-7000
Coffeyville, Kan, 1306 W 5 St 4194
Hazel Park, Mich, 22633 Stephenson Hwy Lincoln 8-6611
Houston 19, Tex, 1 Briar Dale Ct Madison 3-9502
Los Angeles 33, Cal, 363 S Mission Rd Angelus 9-8237
Oakland 8, Cal, 1500 Park Ave Olympic 2-2700
Phila 7, Pa, 325 N Broad St Market 7-3300
St Louis 5, Mo, 559 Skinker Blvd Volunteer 3-6999

T Shriver & Co, Inc, 874 Hamilton St, Harrison, N J HU 4-2500

Sigmamotor, Inc, 19 N Main St, Middleport, N Y RE 5-3611

Silver Engrg Works, Inc, 3309 Blake St, Denver 5, Col Main 3-0211

Simplicity Engrg Co, 213 E Oak St, Durand, Mich 46
El Monte, Cal, 2226 N Rosemead Blvd Gilbert 8-5290

(The) Orville Simpson Co, 1224 Knowlton St, Cincinnati 23, Ohio KI 1-1236

Simpson Elec Co, 5200 W Kinzie St, Chicago 44, Ill Estebrook 9-1121

Batavia Body, Batavia, Ill

Champion Pneumatic Machy Co, Princeton, Ill

Hershey Mfg Co, 4309 W Lake St, Chicago 24, Ill

Indiana Foundry, Wasbash, Ill

Size Control, 2500 W Washington Blvd, Chicago 12, Ill

Standard Transformer Co, Warren, Ohio

W W Sly Mfg Co, 4770 Train Ave, Cleveland 1, Ohio Melrose 1-1100
Chicago 40, Ill, 4753 Bway Longbeach 1-4948
Detroit 23, Mich, 18130 Fenkell Ave Broadway 2-0299
Jersey City 6, N J, 26 Journal Sq N Y C: Cortlandt 7-5356

F L Smidth & Co, 11 W 42 St, N Y 36 LO 3-6600
A O Smith Corp, 3533 N 27 St, Milwaukee, Wisc Uptown 3-3000
Chicago 3, Ill, 30 W Monroe St, Suite 1010 Financial 6-6131
Houston 2, Tex, 1538 Commerce Bldg Capitol 4-7897
Los Angeles 17, Cal, 550 S Flower St Madison 6-4484
N Y 17, 250 Park Ave Yukon 6-7400
Arthur F Smith Co, Inc, 311 Alexander St, Rochester 4, N Y Baker 5-4670
E C Smith Mfg Co, Inc, Forrest & Hector Sts, Conshohocken, Pa Taylor 8-4790
Snap-Tite, Inc, 201 Titusville Rd, Union City, Pa 497
M L Snyder & Son, Inc, 1810-70 E Boston Ave, Phila 25, Pa Regent 9-5678
Los Angeles 37, Cal, 3818 S Broadway Pl Adams 1-5149
St Louis 6, Mo, 1615 N 7 St Chestnut 1-2727
San Francisco 5, Cal, 149 2 St Exbrook 2091
Seattle 4, Wash, 71 Columbia St Main 3-6024
Soiltest, Inc, 4711 W North Ave, Chicago 39, Ill Spaulding 2-6400
N Y 17, 60 E 42 St Yukon 6-7383
Solar Aircraft Co, 2200 Pacific Hwy, San Diego 12, Cal Belmont 3-8241
Beverly Hills, Cal, 8929 Wilshire Blvd Olympia 2-8888
Dallas 20, Tex, 137 Walnut Hill Village Fleetwood 2-7825
Dayton 2, Ohio, 34 N Main St Baldwin 2-6359
N Y 17, 60 E 42 St Murray Hill 2-0847
Washington 6, D C, 1625 Eye St N W Republic 7-7830
South Bend Air Products, Inc, 413-415 S St Joseph St, South Bend, Ind Atlantic 8-7336
Southline Metal Products Co, 3777 W 12 St, P O Box 19282, Houston 24, Tex
Southwest Fabricating & Welding Co, Inc, 7525 Sherman St, Houston, Tex Walnut 8-3451
Southwest Industries, Inc, 1200 W Beltor, P O Box 1397, Houston 24, Tex HO 8-1761
Southwestern Engrg Co, 4800 Santa Fe Ave, Los Angeles 58, Cal Ludlow 3-6262
Sparkler Mfg Co, 169 N Lake St, Mundelein, Ill 6-6430
Berkeley, Cal, 2729 San Pablo Ave Thornwall 5-7470
South Gate, Cal, 8479 State St Lorain 7-0557
Sparta Mfg Co, RD2 Dover, Ohio 4-2380
Los Angeles 22, Cal Parkview 2-2196
Speco, Inc, 7308 Associate Ave, Cleveland 9, Ohio Atlantic 1-9520
Speedline Fittings Div, Horace T Potts Co, Erie Ave & D St, Phila 34, Pa Garfield 6-4600
Baltimore 6, Md, 7110 Potts Lane Eastern 7-4200
York, Pa, 54 N Duke St 81-250
Speedways Conveyors, Inc, 132 Speedways Bldg, 202 Rhode Island St, Buffalo 13, N Y
Speer Carbon Co
See separate listing by division:
International Graphite & Electrode Div
Spence Engrg Co, Inc, 29-41 Grant St, Walden, N Y 2-4501
Spencer Turbine Co, 486 New Park Ave, Hartford 6, Conn Adams 3-6293
Chicago 4, Ill, 53 W Jackson Blvd Harrison 7-0102
Newark 2, N J, 24 Commerce St Market 2-3469
N Y 17, 101 Park Ave Murray Hill 3-5307
Washington 4, D C, 912 Wash Loan & Trust Bldg, 9 & F Sts, N W District 7-1313
D R SPERRY CO, 17 E State Rd, N Aurora, Ill Aurora 2-4361
Sperry Products, Inc, Shelter Rock Rd, Danbury, Conn Pioneer 8-3581
Birmingham, Ala, 1907 Cahaba Rd Tremont 9-0001
(Chicago) Lyons, Ill, 8850 W 47 St Brookfield: Hunter 5-7112
Cleveland 29, Ohio, 4521 Brook Park Rd Florida 1-4500
Detroit 12, Mich, 7140 E Davison Ave Twinbrook 3-0483
Los Angeles 22, Cal, 5258 E Washington Blvd Angelus 3-7722
(Phila) West Chester, Pa, 13 S Church St Owen 6-6007
Pittsburgh 8, Pa, 7405 Penn Ave Freemont 1-3335
Spiral-Glas Pipe Co, P O Box 1952, Old Bridge, N J Parkway 1-7600
SPRAYING SYSTEMS CO, 3201 Randolph St Bellwood, Ill Linden 4-0380
Sprout, Waldron & Co, Inc, Muncy, Pa Lincoln 6-3111
Kansas City 11, Mo, 539 Westport Rd Jefferson 1-2544
N Y 7, 50 Church St, Rm 1983 Rector 2-9385
Oakland 12, Cal, 600 16 St Glencourt 2-4688
C E Squires Co, 18502 Syracuse Ave, Cleveland 10, Ohio Kenmore 1-1064
Stackpole Carbon Co, 1942 Tannery St, St Marys, Pa TE 4-1521
Stainless Products, Inc, 1 Clifton Blvd, Clifton, N J PR 8-3000
Stainless & Steel Products Co, 1000 Berry Ave, St Paul, Minn MI 6-8833
Standard Conveyor Co, 315 N W 2 St, N St Paul 9, Minn SP 7-1355
Chicago 39, Ill, 2459 N Laramie Ave Los Angeles 11, Cal, 115 E 23 St
San Francisco 7, Cal, 801 Minnesota St
(The) Standard Elec Time Co, 89 Logan St, Springfield 2, Mass
Branches in all principal cities
STANDARD SCIENTIFIC SUPPLY CORP, 808 Broadway, N Y 3 Spring 7-0660
STANDARD STEEL CORP, 5075 S Boyle Ave, Los Angeles 58, Cal Ludlow 5-1231
Decatur Ill, 2100 Jasper (Leader Iron Works Div) 82103
Standard Wiping Materials, 645 Dean St, Bklyn 38, N Y Nevins 8-1900
Stanwood Corp, 4819 W Cortland St, Chicago 39, Ill Berkshire 7-5000
Star Porcelain Co, 21 Muirhead Ave, Trenton 9, N J Export 2-3154
Star Tank & Filter Corp, 871 Edgewater Rd, Bronx 59, N Y DA 3-6450
Statikil, Inc, 1220 W 6 St, Cleveland 13, O Cherry 1-3939
(The) A T Stearns Lumber Co, 98 Taylor St, Neponsit 22, Mass Talbot 5-1040
Elizabeth, N J, 920 Westerfield Ave Elizabeth 2-2165
Stearns Magnetic Products, 635 S 28 St, Milwaukee 46, Wis Evergreen 3-4800
Chicago 54, Ill, 7-113 Merchandise Mart Plaza Michigan 2-1882
Fair Lawn, N J, 12-94 Plaza Rd
(The) Stearns-Roger Mfg Co, 660 Bannock St, P O Box 5370, Denver 17, Col AC 2-8484
Baton Rouge, La, 4446 N Blvd Diamond 3-2831
El Paso, Tex, 708 Electric Bldg Keystone 3-5501
Houston, Tex, 1115 City Natl Bank Bldg Capital 4-6501
Salt Lake City, Utah, 40 Richards St Davis 2-5891
Steadman Foundry & Mach Co, Inc, Aurora, Indiana 38
Stephens-Adamson Mfg Co, 699 Ridgeway Ave, Aurora, Ill 2-4311
Atlanta 11, Ga, Box 9456 Diamond 4-0241
Boston 16, Mass, 1104 Park Sq Bldg Hancock 6-2242
Buffalo 3, N Y, 958 Ellicott Sq Bldg Washington 6253
Chicago 6, Ill, 20 N Wacker Dr Bldg Central 6-4526
Clarksdale, Miss, P O Box 654 Main 4-8395
Cleveland 15, Ohio, 1008 Hanna Bldg Superior 1-5588
Dallas, Tex, 5738 N Central Expwy Taylor 3-7469
Denver, Col, 320 Denver Club Bldg Alpine 5-7806
Houston 2, Tex, 1213 Capitol Ave Capitol 2-0557
Los Angeles 58, Cal, 2227 E 37 St Ludlow 3-1511
Minneapolis, Minn, 420 Flour Exchange Bldg Federal 6-5661
N Y 7, 50 Church St Rector 2-4424
Pittsburgh 22, Pa, 1408 Investment Bldg Court 1-3710
(Phila) Glenside, Pa, 25 Easton Rd Turner 7-3616
St Louis 1, Mo, 1414 Paul Brown Bldg Central 1-1455
San Francisco 5, Cal, 145 Mission St Exbrook 2-4218
Seattle 1, Wash, 909 Joseph Vance Bldg Mutual 2-3962
Sterling Elec Motors, Inc, 5401 Telegraph Rd, Los Angeles 22, Cal Raymond 3-6211
Atlanta 5, Ga, 254 E Paces Ferry Rd, N E Cedar 7-4945
Baltimore 18, Md, 11 W 25 St Belmont 5-9330
Birmingham 4, Ala, 700 8 Terr W Fairfax 2-6511
(Boston) Newton Lower Falls 62, Mass, P O Box 39 Cedar 7-9700
Chicago 47, Ill, 3225 W North Ave Spaulding 2-8866
Cincinnati 12, Ohio, 4610 Smith Rd, Norwood Redwood 1-5432
Cleveland 23, O, 22501 Shore Center Dr Andrews 1-1770
Dallas 7, Tex, 1103 Levee St Riverside 8-3956
Denver 4, Colo, 661 Delaware St Alpine 5-7988
Detroit 20, Mich, 109 E Nine Mile Rd Lincoln 7-0117
Greensboro, N C, P O Box 2826 Broadway 3-7955
Houston 4, Tex, 3011 San Jacinto Jackson 2-0864
Kansas City 3, Kan, 4306 Cambridge Ave Johnson 2-7352
Memphis 17, Tenn, 4711 Poplar Ave Mutual 5-8081
Milwaukee 17, Wis, 153 E Silver Spring Dr Edgewood 2-1255
Minneapolis 14, Minn, 215 6 St S E Federal 6-2828
N Y 17, 6 E 45 St Oxford 7-1050
Phila 44, Pa, 5823 Greene St Victor 4-7085
Pittsburgh 16, Pa, P O Box 7493 Locust 1-6412
Portland 9, Ore, 738 N W Glisan St Capitol 8-4656
Rochester 18, N Y, 3700 East Ave Ludlow 6-7660
St Louis 8, Mo, 4378 Lindell Blvd Olive 2-0431
Salt Lake City 11, Utah, 1481 S Main St Hunter 4-1133
San Francisco 7, Cal, 383 Brannan St Sutter 1-7997
Seattle 4, Wash, 1712 1 Ave S Main 4-0723
Odessa, Tex, 112 N Washington Federal 7-7841
Stewart-Warner Corp, 1826 Diversey Pkwy, Chicago 14, Ill Lakeview 5-6000
Stockham Valves & Fittings, 4000 10 Ave N, Birmingham, Ala Lyric 2-4361
Atlanta 8, Ga, 770 Spring St N W Trinity 5-8833
Cambridge 40, Mass, 1955 Massachusetts Ave Kirkland 7-5737
Chicago 9, Ill, 3612 Iron St Frontier 6-3435
Dallas 35, Tex, 1127 Exch Bank Bldg, 100 Exch Park N Fleetwood 7-8766
Houston 1, Tex, 5609 Harvey Wilson Dr Walnut 8-5101
Los Angeles 54, Cal, 5502 Alcoa Ave, Vernon Ludlow 7-1227
N Y 20, 45 Rockefeller Plaza Circle 7-1216
Phila 48, Pa, Wolf & Water Sts Fulton 9-5000
Pittsburgh 19, Pa, 401 Grant Bldg Court 1-0952
San Francisco 3, Cal, 1355 Market St Underhill 1-3210
Washington 4, D C, 815 Natl Press Bldg Republic 7-6042
F J Stokes Corp, 5500 Tabor Rd, Phila 20, Pa Cumberland 9-0100
Atlanta 9, Ga, 1678 Cross Keys Drive N E Cedar 7-1684
Chicago 45, Ill, 3058 W Peterson Ave Rogers Park 4-8040
Cleveland 15, Ohio, 2036 E 22 St Main 1-7577
Dayton 9, Ohio, 3070 Far Hills Ave Axminster 3-8302
Pasadena 1, Cal, 15 N Euclid Ave Ryan 1-8619
Portland, Conn, 252 Main St Diamond 6-2601
Rochester, N Y, 120 Fairmeadow Dr Belmont 2-2301
Stamford, Conn, 77 Bedford St Davis 3-2335
Union, N J, 2165 Morris Ave Murdock 8-2345
Stonhard Co, Inc, 401 N Broad St, Phila 8 Pa Walnut 2-7400
Stover Steel Tank & Mfg Co, 5 Hancock & Jackson Ave, Freeport, Ill Adams 2-7114
Strahman Valves, Inc, Nicolet Rd, Florham Pk, N J
Strong, Carlisle & Hammond, Steam Specialty Div, 508 Sandusky St, Conneaut, Ohio 22-476
Strong-Scott Mfg Co, Industrial Processing Equipment Div, 451 Taft St, N E, Minneapolis 13, Minn Sterling 1-7461
Red Bank, N J Shadyside 7-5557
Struthers Wells Corp, Pennsylvania Ave W, Warren, Pa 680
Chicago 2, Ill, 6 N Michigan Ave Financial 6-4655
N Y 20, 30 Rockefeller Plaza Plaza 7-7272
Sturtevant Mill Co, 103 Clayton St, Dorchester, Boston 22, Mass Talbot 5-6500
N Y 5, 149 Broadway Barclay 7-3624
Submerged Combustion, Inc, 759 Logan St, P O Box 267 Hammond, Ind Westmore 2-8050
Superior Air Products Co, 132 Malvern St, Newark 5, N J Market 3-5715
Superior Elec Co, 83 Laurel St, Bristol, Conn Ludlow 2-9561
Baltimore 15, Md, 4033 W Rogers Ave Mohawk 4-8902
Dallas 6, Tex, 174 Meadows Bldg Emerson 3-1679
Detroit 27, Mich, 15425 Schaefer Hwy Vermont 8-3460
Medina, Ohio, 101 Public Sq Park 3-1515
Miami 37, Fla, 2217 Biscayne Blvd Franklin 4-4103
N Y 17, 250 Park Ave Yukon 6-7930
Oak Park, Ill, 721 South Blvd Euclid 3-5430
Redwood City, Cal, 2881 El Camino Real Emerson 8-7094
Seattle 4, Wash, 810 3 Ave Mutual 1323
Van Nuys, Cal, 14663 Titus St State 6-3626
Wellesley Hills, Mass, 6 Abbott Rd Cedar 7-0750
Superior Tube Co, Germantown Pike, Norristown, Pa Broadway 5-2070
Surface Combustion Co, 2375 Dorr St, Toledo 1, Ohio Jefferson 6-4611
Sutorbilt Corp, subs Fuller Co, 2966 E Victoria St, Compton, Cal
Sutton, Steele & Steele, Inc, 1030 S Haskell, Dallas 23, Tex Taylor 1-9143
(The) Swartwout Co, 18511 Euclid Ave, Cleveland 12, Ohio Ivanhoe 1-0780
Alhambra, Cal, 317 W Main St Atlantic 1-3638
Chicago 13, Ill, 1005 W Belmont Ave Eastgate 7-5525
Decatur, Ga, 235 E Ponce de Leon Ave Drake 7-1253
Houston 2, Tex, 858 M&M Bldg Capitol 4-6973
Jenkintown, Pa, 8712 Verree Rd Turner 4-3255
N Y 17, 103 Park Ave Murray Hill 5-3561
San Francisco 24, Cal, 1485 Bayshore Blvd Juniper 7-2825
Tulsa 3, Okla, 808 Atlas Bldg Luther 5-1932
University City, Mo, 8143 Olive St Rd Wydown 1-1410
Swepco Tube Corp, 1 Clifton Blvd, Clifton, N J Prescott 8-3000
Syntron Co, 422 Lexington Ave, Homer City, Pa Gridley 9-8011

T

W A Taylor & Co, 7300 York Rd, Baltimore 4, Md Valley 3-1579
TAYLOR, STILES & CO, 23 Bridge St, Riegelsville, N J Warren Glen 2-2191
Techalloy Co, Inc, Route 113, Rahns 4, Pa Morristown: Huxley 9-7211

Tempil Corp, 132 W 22 St, N Y 11 Oregon 5-6610
Terriss Div, Consolidated Siphon Supply Co, Inc, 22 Wooster St, N Y 13 Canal 6-7410
(The) Terry Steam Turbine Co, 874 Windsor St, Hartford, Conn Jackson 2-4285
Phila 2, Pa, 112 S 16 St Rittenhouse 6-6667
N Y 6, 90 West St Courtlandt 7-8178
Textile Products, 181 Chesnut St, Newark, N J Mitchell 2-7390
N Y C, 339 Broadway Walker 5-2775
Thayer Scale Corp, 1 Thayer Park, Pembroke, Mass Taylor 6-2373
Thermal American Fused, Quartz Co, 1820A Salem St, Dover, N J Foxcroft 6-2807
Thermal Research & Engrg Corp, 300 Brook Rd, Conshohocken, Pa Taylor 8-5400
Chicago 24, Ill, 4010 W Madison Kedzie 3-5322
Cleveland 21, Ohio, 2195 S Green Rd Evergreen 2-0140
N Y 17, 70 E 45 St Murray Hill 6-5591
Thermco Instrument Corp, U S 20 RR 5, La Porte, Ind 5156
Thermo Elec Co, Inc, 109 B St, Saddle Brook, N J Hubbard 9-5800
Attleboro, Mass, P O Box 125 1-3368
Chicago 46, Ill, 6322 N Cicero Ave Pensacola 6-3878
Thermo Elec Mfg Co, 509 Huff St, Dubuque, Iowa 3-3501
Thompson-Ramo-Wooldridge Products Co, P O Box 90067, Airport Sta, Los Angeles 45, Cal Osborne 5-4601
N Y 17, 200 E 42 St Murray Hill 2-8488
Thwing-Albert Instrument Co, 5395 Pulaski Ave, Phila 44, Pa, Germantown 8-5719
(The) Timkin Roller Bearing Co, 1835 Dueber Ave S W, Canton 6, Ohio GL 3-4511
Atlanta 9, Ga, 1007 Williams St N W Trinity 2-6654
Birmingham 9, Ala, 10 Office Park Circle, P O Box 2450 Tremont 1-5172
Boston 15, Mass, 1107 Commonwealth Ave Stadium 2-9750
Buffalo 14, N Y, 2960 Main St Madison 7905
Chicago 32, Ill, 4647 W 47 St Portsmouth 7-7700
Cincinnati 29, Ohio, 1738 Tennessee Ave Elmhurst 1-1100
Cleveland 20, Ohio, 3605 Lee Rd, Shaker Heights Wyoming 1-6100
Columbus 3, Ohio, 1025 Cleveland Ave Axminster 1-3161
Dallas 26, Tex, 2900 Canton St Riverside 7-4831
Denver 16, Col, 2140 E 45 Ave, P O Box 9003 Amherst 6-0275
Detroit 35, Mich, 16101 Schaefer Hwy Vermont 8-2626
Houston 5, Tex, 2472 Bolsover Rd Jackson 8-5416
Huntington 1, W Va, 422 Chafin Bldg 2-1260
N Kansas City 16, Mo, 1645 Swift Ave Grand 1-8131
Los Angeles 7, Cal, 2727 S Flower St Richmond 7-4141
Memphis 6, Tenn, 886 S 3 St Jackson 7-7376
Milwaukee 16, Wis, 4444 W Capitol Dr Hilltop 2-9444
Minneapolis 3, Minn, 1609 Hennepin Ave Federal 8-4795
Moline, Ill, 1518 5 Ave, Reliance Bldg 2-5511
N Y 19, 770 11 Ave Columbus 5-1626
Phila 32, Pa, 3121 W Hunting Park Ave Baldwin 3-6006
Pittsburgh 13, Pa, 416 N Craig St Mayflower 1-7200
St Louis 10, Mo, 2100 S Vandeventer Ave Mohawk 4-4724
San Francisco 3, Cal, 465 6 St Exbrook 2-4041
Seattle 9, Wash, 305 9 Ave N Main 1580
Washington, D C, 823 Transportation Bldg Republic 7-6068
Toledo Scale, Div Toledo Scale Corp, 1036 Telegraph Rd, Toledo 12, Ohio GR -5441
Atlanta 8, Ga, 97 5 St N W
Buffalo 16, N Y, 2168 Delaware St
Chicago, Ill, 2033 S Michigan Ave
Cleveland, Ohio, 1624 St Clair Ave
Dallas, Tex, 3014 Commerce St
Detroit 27, Mich, 15830 Schaefer Rd
Houston, Tex, 1114 Taft St
Kansas City, Mo, 1923 Main St
N Y 16, 215 E 27 St
Phila, Pa, 2234 N Broad St
Pittsburgh 32, Pa, 5505 Centre Ave
St Louis, Mo, 909 S Grand Blvd
San Francisco, Cal, 1665 Hudson St
Washington, D C, 3329 8 St NE
Wilmington, Del, 4004 Market St
Tolhurst Centrifugals Div, American Mach & Metals, Inc, E Moline, Ill 3-4561
Chicago, Ill, 600 S Michigan Ave Wabash 2-8072
N Y 7, 233 Broadway Rector 2-3822
Springfield 3, Mass, 292 Worthington St State 5-5460
Washington 5, D C, 1333 G St NW Republic 7-3875
Torit Mfg Co, 292 Walnut St, St Paul 2, Minn CA 2-4419
Torsion Balance Co, 35 Monhegan St, Clifton, N J Gregory 3-6900
Chicago 4, Ill, 224 S Michigan Ave Wabash 2-8130
San Francisco, Cal, 785 W Market St Yukon 6-3962
►TOTE SYSTEM, INC, 700 S 7 St, Beatrice, Neb Canal 3-2324
Tractomotive Corp, County Line Rd, Deerfield, Ill Windsor 5-1990
Trane Co, 2 & Cameron Sts, La Crosse, Wis 2-8000
Branches in all principal cities
Trans-Lite, Inc, P O Box 70, Milford, Conn Trinity 4-6763
Tranter Mfg, Inc
See separate listing by division:
Platecoil Div
Traylor Engrg & Mfg Co, 10 & Mill Sts, Allentown, Pa Hemlock 4-5104
Chicago 4, Ill, 343 S Dearborn St Franklin 2-8466
N Y 1, 3416 Empire State Bldg Pennsylvania 6-0350
San Francisco 5, Cal, 605 Sharon Bldg Exbrook 2-1683
Trees Box Co, Tioga & Memphis Sts, Phila 34, Pa Cumberland 9-3110
Triangle Package Machy Co, 6655 W Jackson Blvd Chicago 35, Ill Tuxedo 9-0200
Tri-Homo Corp, 90 Highland Ave, Salem, Mass Pioneer 4-2025
N Y 16, 261 5 Ave Murray Hill 3-0935
Trinity Equipment Corp, Rt 281, Cortland, N Y Skyline 6-7535
Merchantville, N J, Professional Bldg Normandy 5-0855
Roselle Park, N J, 481 Westfield Ave E Chestnut 5-8400
Tube Manifold Corp, 415 Bryant St, N Tonawanda, N Y Ludlow 7900
Tube Turns Div, Chemetron Corp, 224 E Broadway, Louisville, Ky Juniper 7-7551
Atlanta 3, Ga, Atlanta Federal Savings Bank Jackson 2-7310
Chicago 5, Ill, 600 S Michigan Ave Harrison 7-8526
Dallas, Tex, 309-311 Meadows Bldg Emerson 1-1912
Denver, Col, 1160 10 St Cherry 4-5807
Detroit, Mich, 2591 W Grand Blvd Trinity 3-7930
Houston 1, Tex, 7120 Katy Rd Underwood 9-3531
(Kansas City) Mission, Kan, 5019 W 55 St Westport 1-8111
Los Angeles 58, Cal, 2417 E 24 St Ludlow 7-8287
Midland, Tex, 3209 Lockheed Mutual 2-5743
New Orleans, La, 1205 St Charles Ave Tulane 5611
N Y 38, 150 Broadway Rector 2-8230
Phila 3, Pa, 1032 Suburban Sta Bldg Locust 7-3218
Pittsburgh 19, Pa, 1718 Grant Bldg Atlantic 1-8850
San Francisco 4, Cal, 2611 Russ Bldg Garfield 1-2594
Seattle Wash, 5510 E Marginal Way Parkway 2-7500
Tulsa 3, Okla, 704-5 Wright Bldg Cherry 2-9193
Tube Turns Plastics, Inc, 2929 Magazine St, Louisville 11, Ky Spring 5-6431
(Baltimore) Riderwood, Md Valley 5-3637
(Boston) S Natlick, Mass, 10 Dover Rd Olympic 3-1496
Chicago, Ill, 2909 W Cullom Ave Irving 8-0148
Houston 24, Tex, 7614 Wedgewood Lane Overland 2-0840
(San Francisco) San Mateo, Cal, 110 W 37 Ave Fireside 5-1182
Twin Disc Clutch Co, 1328 Racine St, Racine, Wis Melrose 4-1981
Cleveland 16, Ohio, 20800 Center Ridge Rd, Rm 215 Edison 3-0155
Dallas, Tex, 1511 Turtle Creek Blvd Riverside 1-3014
Los Angeles 58, Cal, 2950 Leonis Blvd Ludlow 3-3309
New Orleans 21, La, 254 St George Ave, PO Box 10143 Vernon 5-6467
Newark 5, N J, 15-17 Fenwick Bigelow 3-0251
Rockford, Ill, 1310 Preston St Woodland 4-5664
W S Tyler Co, 3615 Superior Ave, Cleveland 14, Ohio Henderson 1-5400
Atlanta 3, Ga, 432 Hurt Bldg Murray 8-2504
Boston 16, Mass, 914 Statler Bldg Hancock 6-0401
Chicago 2, Ill, 6 N Michigan Ave Central 6-7440
Dallas 1, Tex, 2932 Republic Natl Bank Bldg Riverside 2-6720
Los Angeles 5, Cal, 3540 Wilshire Blvd Dunkirk 1-2101
N Y 17, 750 3 Ave Yukon 6-9070
San Francisco 4, Cal, 1016 Russ Bldg Sutter 1-1460

U

Uhrden, Inc, 508 Grant St, Dennison, Ohio Walnut 2-5414
UNION BAG-CAMP PAPER CORP, 233 Broadway, N Y 7 Cortlandt 7-5300
Atlanta 5, Ga, 800 Peachtree N E Trinity 6-5736
Baltimore 12, Md, Box 4566 Idlewood 5-0400
Boston 16, Mass, 1134 Park Sq Bldg Hubbard 2-8825
Chicago 6, Ill, 1965 Daily News Bldg Randolph 6-6341
Dallas 5, Tex, 3415 Westminster Emerson 3-4241
Detroit 1, Mich, 211 Woodward Ave Trinity 1-3700
Houston 6, Tex, 4614 Montrose Blvd Jackson 9-1825
Kansas City 11, Mo, 3527 Broadway Logan 1-0333
Minneapolis 2, Minn, 1309 Foshay Tower Federal 9-5584
New Orleans, La, 504 Delta Bldg Raymond 5-5883
Phila 8, Pa, 401 N Broad Walnut 2-5787
UNION CARBIDE CORP, 30 E 42 St, N Y 17 Murray Hill 7-8000
Metals Co, 30 E 42 St, N Y 17 Murray Hill 7-8000
Birmingham 2, Ala, 2900 Cahaba Rd Tremont 9-4681
Chicago 1, Ill, 230 N Michigan Ave Financial 6-3300
Cleveland 14, O, 1300 Lakeside Ave Main 1-4202
Detroit 21, Mich, 10421 W 7 Mile Rd Diamond 1-3131
Houston 27, Tex, 3839 W Alabama Ave Mohawk 7-5641
Los Angeles 58, Cal, 2770 Leonis Blvd Ludlow 3-3061
Phillipsbury, N J, Roseberry & Marshall Sts 5-6403
Pittsburgh 22, Pa, 537 Smithfield St Express 1-3800
San Francisco 6, Cal, 22 Battery St Yukon 2-1360
Plastics Co, 30 E 42 St, NY 17 Murray Hill 7-8000
Atlanta 3, Ga, 57 Forsyth St
Boston 94, Mass, 300 First Ave, Needham Hts
Chicago 1, Ill, 230 N Michigan Ave
Cincinnati 6, O, 2330 Victory Pkwy
Cleveland 14, O, 1300 Lakeside Ave, NE
Clifton N J, 1051 Bloomfield Ave
Dallas 1, Tex, 1511 Bryan St
Detroit 21, Mich, 10421 W 7 Mile Rd
Hartford 3, Conn, 410 Asylum St
Kansas City 41, Mo, 910 Baltimore Ave
Larchmont, N Y, 1877 Palmer Ave
Los Angeles 58, Cal, 2700 Leonis Blvd
Milwaukee 3, Wis, 2040 W Wisconsin Ave
Moorestown, N J, Pleasant Valley Rd & Rte 38
Pittsburgh 22, Pa, 537 Smithfield St
Rochester 18, N Y, 3700 East Ave
St Louis 22, Mo, 122 N Kirkwood Rd
San Francisco 6, Cal, 22 Battery St
SILICONES DIV, 30 E 42 St, N Y 17 Murray Hill 7-8080
Atlanta 9, Ga, 1371 Peachtree St NE TR 3-2241
(Boston 94) Needham Hts, Mass, 300 1 Ave
Chicago 1, Ill, 230 N Michigan Ave FI 6-3300
Cleveland 14, O, 1300 Lakeside Ave MA 1-4202
Dallas 1, Tex, 1511 Bryan St RI 1-9176
Detroit 21, Mich, 10421 W 7 Mile Rd DI 1-3131
Los Angeles 58, Cal, 2770 Leonis Blvd LU 3-3061
N Y 17, 100 E 42 St MU 6-5100
(Philadelphia) Moorestown, N J, Pleasant Valley Rd, Rte 38 BE 5-6200
Pittsburgh 22, Pa, 644 Oliver Bldg EX 1-3800
(St Louis) Clayton, Mo, 111 S Meramec Ave PA 1-7300
See also separate listings by divisions:
Haynes Stellite Co
Linde Co
National Carbon Co
Union Process Co, 120 Ash St, Akron 8, O Franklin 6-3189
Union Steel Chest Corp, 540 Church St, Le Roy, N Y 584
Union Steel Corp, 1550 Ashwood Terrace, Union, N J Murdock 7-2000
Atlanta 9, Ga, 45 11 St NE Trinity 2-0268
Chicago 44, Ill, 4754 Washington Blvd Esterbrook 8-0155
Unique Wire Weaving Co, Inc, 762 Ramsey Ave, Hillside, N J MU 8-4600
UNITED BOX & LUMBER CO, 45 S Wheeler Pt Rd, Newark 5, N J MA 2-4500
United Elec Controls Co, 85 School St, Watertown 72, Mass Walnut 6-1000
United States Elec Motors Inc, 200 E Slauson Ave, Los Angeles 54, Cal Adams 3-3131
Atlanta, Ga, 3127 Maple Dr N E Cedar 7-8658
Boston 16, Mass, 25 Huntington Ave Copley 7-4910
Chicago 34, Ill, 6551 W Belmont Ave Tuxedo 9-6242
Cleveland 14, Ohio, 3202 St Clair Ave Tower 1-7188
Dallas, Tex, 1605 Levee St Riverside 1-5927
Detroit 4, Mich, 7655 Grand River Ave Tyler 7-0550
Indianapolis 5, Ind, 709 E 38 St Walnut 3-2407
Kansas City, Mo, 228 W 4 St Victor 2-1693
Memphis, Tenn, 3387 Poplar Ave Fairfax 7-3551
Milford, Conn, Old Gate Lane Trinity 4-2551
Milwaukee 3, Wis, 1324 W Wisconsin Ave Division 4-1793
N Y 6, 90 West St Rector 2-1720
Phila 2, Pa, 1421 Chestnut St Locust 4-4477
St Paul 4, Minn, 2395 University Ave Midway 5-1078
San Francisco 7, Cal, 564 4 St Garfield 1-7625
Seattle 4, Wash, 3427 4 Ave S Main 4-0614
United States Gauge Div, American Mach & Metals, Inc, Clymer Ave & Diamond St, Sellersville, Pa Alpine 7-6531
Atlanta 5, Ga, 3105 Roswell Rd N E Cedar 3-0306
Boston 16, Mass, 30 Huntington Ave Kenmore 6-0121
Buffalo 25, N Y, 54 Gruner Rd Keystone 8080
Chicago 5, Ill, 600 S Michigan Ave Harrison 7-0977

Cleveland 15, Ohio, 1010 Euclid Bldg Tower 1-0612
Denver, Col, 1863 Wazee St Keystone 4-2371
Houston 2, Tex, 1607 Jefferson Ave Capitol 4-1236
Los Angeles 49, Cal, 11973 San Vicente Blvd Granite 2-9584
(Minneapolis-St Paul) Hopkins, Minn, 1020 W Excelsior Ave West 5-2300
N Y 7, 1242 Woolworth Bdlg Rector 2-3822
St Louis 10, Mo, 4115 Manchester Ave Olive 2-5950
(San Francisco) Hayward, Cal, 24692 Townsend Ave Jefferson 8-6118
United States Pipe & Foundry Co, 3300 1 Ave N, Birmingham 2, Ala Alpine 1-3161
Baltimore 18, Md, 2434 Maryland Ave Belmont 5-9259
Boston 16, Mass, 250 Stuart St Liberty 2-1532
Burlington, N J Dudley 6-1850
Champaign, Ill, 725 Southwest Dr Fleetwood 2-6439
Chicago 3, Ill, 923 Peoples Gas Bldg Harrison 7-6863
Cincinnati 32, O, Winton Pl Sta, P O Box 95 Poplar 1-3229
Dallas 1, Tex, 1204 Praetorian Bldg Riverside 7-0581
Houston 2, Tex, 1212 Bank of the Southwest Bldg Capitol 4-1403
Kansas City 6, Mo, 510 Bryant Bldg Victor 2-5310
Los Angeles 13, Cal, Suite 911, Pershing Sq Bldg Madison 8-4147
Minneapolis 3, Minn, 625 Plymouth Bldg Federal 3-5038
N Y 17, 3 E 44 St Yukon 6-6674
Orlando, Fla, 2029 Stryker Ave Garden 4-4076
Pittsburgh 22, Pa, 454 2 Gateway Center Atlantic 1-0767
Portland 9, Ore, 1238 NW Glisan St Capitol 2-7010
Rocky River 16, O, 20950 Center Ridge Rd Edison 3-1771
San Francisco 5, Cal, 907 Monadnock Bldg Garfield 1-5140
Seattle 1, Wash, 666 White Henry Stuart Bldg Main 3-2664
Syracuse 2, N Y, 321-327 State Tower Bldg Granite 1-6758
United States Rubber Co, 1230 Ave of the Americas, N Y 20 Circle 7-5000
Branches in all principal cities
United States Safety Service Co, 1549 Walnut St, Kansas City 8, Mo Victor 2-8500
Atlanta, Ga, 333 Candler Bldg Jackson 3-0373
Baltimore, Md, 320 Mathieson Bldg Mulberry 5-8499
Birmingham, Ala, 512 N 18 St Alpine 1-5472
Boston, Mass, 751 Little Bldg Liberty 2-7171
Buffalo, N Y, 1006 Prudential Bldg Mohawk 6188
Chicago, Ill, 175 W Jackson Harrison 7-2644
Cincinnati, Ohio, 307 E 4 St Cherry 1-6981
Cleveland, Ohio, 14812 Detroit Ave Academy 6-7200
Dallas, Tex, 504 Interurban Bldg Riverside 8-2931
Denver, Col, 1630 17 St Acoma 2-1795
Detroit, Mich, 15831 James Couzens Hwy University 4-7525
Hartford, Conn, 119 Ann St Jackson 5-6265
Honolulu, Hawaii, Box 1518
Houston, Tex, 3822 Almeda Jackson 2-3335
Indianapolis, Ind, 54 W 30 St, Box 5041 Walnut 4-0990
Los Angeles, Cal, 4508 Crenshaw Blvd Axminster 1-7227
Milwaukee, Wis, 432 Empire Bldg Broadway 2-3232
Minneapolis, Minn, 210 S 5 St Federal 2-7064
N Y C, 160 5 Ave Oregon 5-5320
Oakland, Cal, 5814 College Ave Olympic 8-1959
Phila, Pa, 1123 Western Saving Fund Bldg Pennypacker 5-0139
Pittsburgh, Pa, 101 Investment Bldg Grant 1-7271
Seattle, Wash, 422 Smith Tower Maine 4-1678
St Louis, Mo, 614 Paul Brown Bldg Chestnut 1-0995
Syracuse, N Y, 712 State Tower Bldg Harrison 2-9093
Tulsa, Okla, 714 Enterprise Bldg Gibson 7-3507

►**UNITED STATES STEEL PRODUCTS DIV,** United States Steel Corp
30 Rockefeller Plaza N Y 20 Circle 5-3100
Alameda, Cal, 1849 Oak St Lakehurst 2-5511
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Chicago 27, Ill, 14700 Harvard Ave Interocean 8-9610
Los Angeles 58, Cal, 5100 Santa Fe Ave Ludlow 7-2121
New Orleans 18, La, P O Box 4026, Sta F Vernon 3-2851
Port Arthur, Tex, P O Box 1440 Yukon 2-9455
Sharon, Pa, P O Box 251 Gibson 8-6841
United States Stoneware Co, 12 East Ave, Tallmadge, Ohio Meadowbrook 3-3224
Chicago 6, Ill, 20 N Wacker Dr Dearborn 2-6242
Houston 4, Tex, 4101 San Jacinto Jackson 8-3209
Los Angeles 22, Cal, 908 S Atlantic Blvd Angelus 8-3000
N Y 17, 60 E 42 St Murray Hill 2-6577
Universal Road Machy Co, 27 Emerick St, Kingston, N Y FE 1-8248
N Y 6, 117 Liberty St Barclay 7-3039

V

Van Products Co, 5818 Swanville Rd, Erie, Pa TE 3-5556
Velan Steam Specialties, Inc, & Velan Valve Corp, Beekmantown Rd, Plattsburg, N Y 4416
Glenview, Ill, 1230 Heatherfield Lane
New Brunswick, N J, 230 Runyan Ave, Rte 24
Salt Lake City, Utah, P O Box 33, Foothill Sta
Vernon Tool Co, Ltd, 1101 Meridian Ave, Alhambra, Cal Cumberland 3-1206
Victaulic Co of America, P O Box 509, Elizabeth, N J 4-2141
Caspar, Wyo, 208 N Market St Casper 3-4573
Farmington, N Mex, 916 Shofield Lane Davis 5-3252
Houston, Tex, 6006 Harvey Wilson Dr Walnut 6-2689
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Victory Engrg Corp, Springfield Rd, P O Box 373 Union, N J Murdock 8-7150
Viking Pump Co, 4 & Whitney Sts, Cedar Falls, Iowa Colfax 6-1741
Atlanta 13, Ga, 1223 Techwood Dr N W Trinity 5-7131
Chicago 6, Ill, 549 W Washington Blvd State 2-6818
Cleveland 13, Ohio, 310 Marshall Bldg Cherry 1-0687
Dallas 22, Tex, 2175 W Commerce St Riverside 2-6839
Indianapolis 25, Ind, 407 Madison Ave Melrose 5-8349
Milwaukee 3, Wis, 710 N 6 St Broadway 6-0807
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Houston 19, Tex, 1 Briar Dale Ct Mohawk 4-3348
Minneapolis 2, Minn, 2800 Foshay Tower Federal 6-3371
N Y 17, 110 E 42 St, Rm 1407 Oxford 7-0870
(Phila) Ardmore, Pa, 29 W Lancaster Ave Midway 2-3698
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Vulcan Containers, Dept CW, Congress Expy & Mannheim Rd, Bellwood, Ill Chicago: Mansfield 6-7660
Vulcan Mfg, Glendale Rd, Cincinnati 15, O, Princeton 1-9310

W

W-K-M Co, Div ACF Industries, Inc, P O Box 2117, Houston 1, Tex CA 7-8211
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N Y C: Barclay 7-0662
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Wagner Elec Corp, 6400 Plymouth Ave, St Louis 14, Mo Parkview 1-5000
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Cleveland 17, Ohio, 21300 St Clair Ave Ivanhoe 6-1666
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Moorestown, N J, P O Box 187 Belmont 5-2340
N Y 17, 7 E 42 St, Rm 710 Murray Hill 7-6465
Pittsburgh 19, Pa, 530 6 Ave Grant 1-6284
Tulsa 3, Okla, 310 Thompson Bldg DI 3-7047

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Wyssmont Co, Inc, 42-07 E 27 St, Long Island City 1, N Y Stillwell 6-2010

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New Orleans 6, La, P O Box 2570
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1. Easy stacking

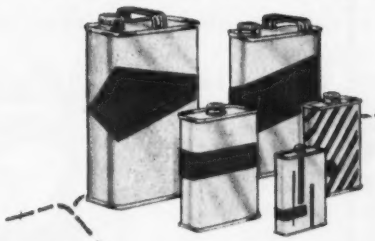
"F" style cans have a recessed bottom that fits right on top of can below. No chance of display toppling over. Display remains attractive and firm no matter how active the buying.

2. Excellent lithography

Continental's superb lithography adds sparkling appeal to your product. Broad face of can allows ample space for "family" name, product name and sales message.

3. Variety of sizes

Continental has exactly the size your customer wants. "F" style cans are readily available in sizes ranging from 8 ounces to one gallon.





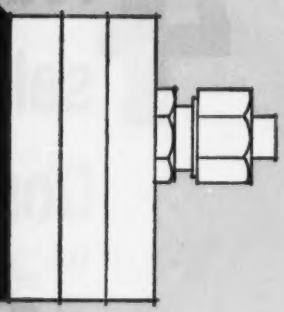
4. Save shelf space

Oblong shape allows more units to be stocked per shelf foot. Facilitates powerful mass display that means extra sales.

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CAN YOU USE THESE PUMP FEATURES:

- ☐ corrosion resistant construction for chemical solutions?
- ☐ ability to handle organic and inorganic fluids at various temperatures with flows up to 70 GPM, pressures to 65 psig?
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- ☐ self-priming operation with non-lubricating liquids?
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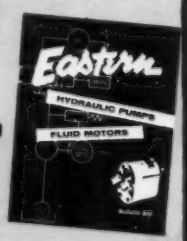
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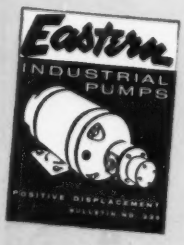
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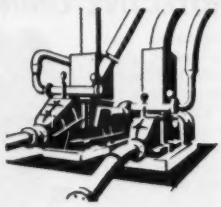
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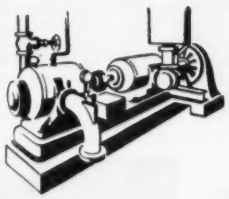
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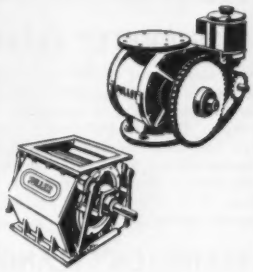


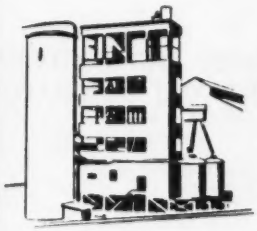
Pneumatic Materials Handling Systems. Widely specified throughout the process industries; Fuller's range of equipment offers best single source for solving problems in moving dry bulk materials pneumatically. Fuller-Kinyon Pumping Systems, Airveyor® Pressure and Vacuum Conveying Systems, and F-H Airslide® Fluidizing Conveyors are completely sealed to prevent both contamination of the product and any leakage of dust, etc., into the surrounding area. They are used to move dry, granular and pulverized materials to and from cars, ships, trailers, storage and processing points.



Fuller Rotary Compressors and Vacuum Pumps are vibration-free, can be installed anywhere, even on balconies. Fewer moving parts mean minimum maintenance. Compressors and Vacuum Pumps handle air and gases from 30 to 3300 cfm at pressures to 125 lb. gage. Vacuums to 29.95 in. (referred to 30-in. barometer).

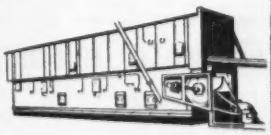
Fuller Vane-type and Roll Feeders . . . for volumetrically controlled feeding of a wide range of dry pulverized or granular materials. Also Fuller Rotary Valves . . . used under silo deck slabs and bins to permit the free flow of pulverized materials which tend to arch, such as lime and cement raw materials.





Fuller Preheaters, Humboldt Suspension Type . . . for preheating dry, pulverized Portland cement raw materials with rotary kiln waste gases.

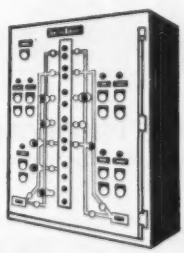
Fuller Horizontal and Inclined Grate Coolers are compact, easily installed for fast, efficient cooling of materials such as nodulized phosphate rock, pebble lime, ores, dolomite, iron nodules and Portland cement clinker from 2800°F. or higher to any desired point within a reasonable range of atmospheric temperature.





Fuller-Material-Level Indicators signal audibly and visibly when materials reach a predetermined high or low level. Controls conveyor motors, valve circuits, etc.

Fuller Control Panels permit automatic, remote, one-man control of multiple operations. Easily-read panel permits visualizing flow of material to storage or from process bins.



Fuller equipment is designed to help give you maximum efficiency at minimum cost. Send today for more detailed literature.

1356
G-210

FULLER COMPANY GENERAL AMERICAN TRADE MARK

FULLER COMPANY
Bridge St., Catasauqua, Pa.
Subsidiary of General American Transportation Corporation
Birmingham • Chicago • Kansas City • Los Angeles • New York • San Francisco • Seattle

Fuller
. . . . pioneers in harnessing AIR

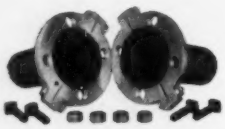
GOODALL *Quality* PRODUCTS FOR THE CHEMICAL INDUSTRY



"GOODITE" FLEXIBLE RUBBER PIPE

Provides the most efficient and economical means of conducting extremely abrasive or corrosive materials, hot or cold, wet or dry. Maximum flexibility permits installation of long, curving lines with few intermediate connections. The "Goodite" tube is exceptionally resistant to severe abrasive wear and the permeation of fluids or gases. The patented wire-reinforced carcass will not kink, buckle or collapse on sharpest bends. The tough, long-wearing cover is impervious to the action of acids or fumes. Standard sizes: 4" to 12", inclusive. For smaller sizes, "Kemite Duct" has similar characteristics.

"FLANG-LOK" FLANGES



For the quick installation of "Goodite" Pipe, "Kemite" Duct, "Goodall" Expansion Joints, or any hose with "Flang-Lok" ends. Bolt holes easily aligned by turning flange only. Standard drilling facilitates bolting to regular pipe flanges for terminal connections. They provide a leakproof, nonmetallic, rubber-to-rubber seal. Available in cast iron or cast steel, in sizes up to 96". Flanges up to 24" pipe size are made in two sections; from 30" to 96", inclusive, in four sections.

"GOODALL" RUBBER EXPANSION JOINTS



Goodall Rubber Expansion Joints are flexible, durable connections for pipe lines and other equipment handling virtually all fluids and gases under pressure and vacuum, to prevent excessive stress due to expansion and contraction; to counteract vibration; and to insulate against undesirable sound. Standard sizes from 2" to 72" I.D. Smaller and larger sizes available.

In addition to the Standard Spool Type Expansion Joints, we are prepared to furnish Tapered, Offset, Multiple Arch and Sleeve styles, and joints with filled arches. Standard joints for pressure installations are built to withstand working pressures to 125 lbs. p.s.i., and temperatures to 200°F.

"RUBBERHIDE" PROTECTIVE LININGS



"Rubberhide" Linings are special rubber or synthetic compounds, factory or field processed to interior or exterior surfaces, to provide long-lasting protection against corrosion and abrasion. They are inseparably bonded to the metal. The protection provided is generally effective for a period equal to many replacements of the unprotected metal equipment. There are virtually no limitations as to the size or shape of the parts or products to be lined, or the service involved.

"SNAP-IN" LOOSE RUBBER LINERS



Pliable rubber or synthetic pouches easily fitted into metal or wooden barrels, drums, vats and other containers to afford complete protection from the deteriorating action of acids, alkalies, salt solutions and other corrosive liquids. In wooden receptacles, they prevent absorption. Liner is dropped into the container and held in place by snapping the liner's rubber lip over the container's rim.

"GOODSEAL" ALL-PURPOSE GLOVES



Made of a special rubber compound that withstands constant contact with virtually all solids and solutions. Smooth; flexible; highly resistant to snagging and puncturing. Grip finish on fingers permits easy handling of small, slippery objects.

PROTECTIVE CLOTHING AND FOOTWEAR FOR PLANT AND LABORATORY



Coats, aprons, overalls, available in the "Goodall" line of high-quality rubber, and the "Long Life" group of Neoprene Latex.

"WEAR KING" BOOTS
Smooth, jet-black rubber, duck lined, with cushion innersole. Plain toe or "Toe-Saver".®

LOW ACID SHOES
Sturdy, light weight, comfortable. Six-eyelet, laced. "Toe-Saver"® safety toe and tire tread sole.

"LONG-LIFE" FLEXIBLE PLASTIC PIPE

"Long-Life Super-Flex"—100% Virgin Polyethylene. Greater strength with less wall thickness. N.S.F. approved. 75,100, 125 and 150 lb. Job Rated. "Spartan Super-Flex"—For industrial service. 75,100 and 125 lb. Job Rated. "Lawn Pipe Super-Flex"—For lawn sprinkler service. 75 lb. Job Rated.

OTHER PRODUCTS Air, Water, Steam, Oil, Acid, Chemical, Fire, Hydraulic and Suction Hose; Rubber Tubing; Metal Hose; Packings; Gaskets; Horizontal and Incline Conveyor Belting; V-Belts.

GOODALL quality has established a reputation for long, reliable service that warrants your confidence. The products described here have proven their practicability and economy throughout the Chemical Industry. Catalogs and bulletins describing specific items will be sent promptly upon request.

Standard of Quality—Since 1870

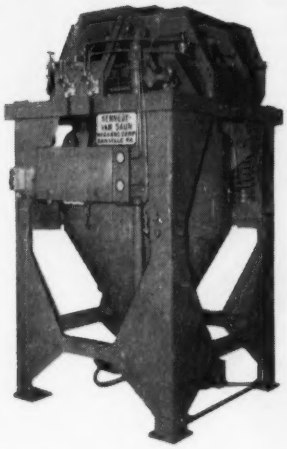
HOSE · BELTING · FOOTWEAR · CLOTHING
AND OTHER INDUSTRIAL RUBBER PRODUCTS

GOODALL *Rubber Company*

GENERAL OFFICES, MILLS and EXPORT DIVISION, TRENTON, N. J.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE UNITED STATES.
IN CANADA: GOODALL RUBBER CO. OF CANADA LTD., TORONTO.

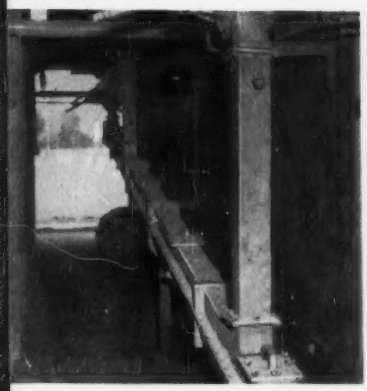
KENNEDY Equipment for the Chemical Industry



KENNEDY Pneumatic Conveying Systems

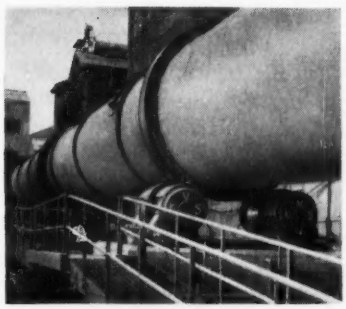
handle powdered or granular materials without motors, feed screws or other major moving parts. They are flexible, adaptable and economical.

KENNEDY Air Float Conveyors



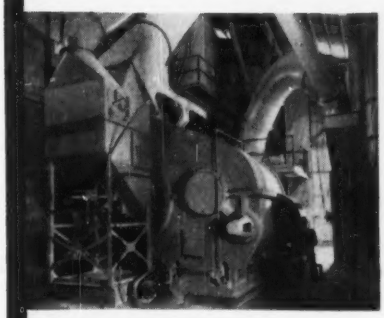
are the air-gravity conveyors with the smooth, porous tile conveying surface, which virtually eliminates downtime and maintenance. There are no screws, belts, gears, chains, oil nor dust.

KENNEDY Rotary Kilns



for Lime, Calcined Coke, Dead Burned Dolomite, Wet or Dry Process Cement, Drying, Nodulizing and Agglomerating. Plus—a full line of Rotary Kiln Accessory Equipment.

KENNEDY Air Swept Grinding Systems



reduce production costs through capital savings, minimum power requirements, reduced maintenance, operating continuity and higher production.

Meehanite, Nihard, Herculite Castings

KENNEDY's modern foundry provides all services for castings up to 55,000 pounds—design, pattern-making, casting, heat treating, machining and full laboratory control.

KENNEDY Test and Research Center

is fully equipped and staffed for studies and tests in Crushing, Grinding, Classifying, Screening, Pneumatic Conveying, Calcining and related operations.

Contact KENNEDY
for more complete information.

KENNEDY VAN SAUN
MANUFACTURING & ENGINEERING CORPORATION
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Primary & Secondary Gyratory Crushers • Jaw Crushers • Roll Crushers • Impact Breakers • Hammer Mills • Rod & Ball Mills • Kilns • Dryers • Screens • Mechanical & Pneumatic Conveyors • Complete Crushing, Lime, Cement & Carbon Paste Plants. KENNEDY Research & Testing Service.

any acid
...in any concentration
...at any temperature to 500°F

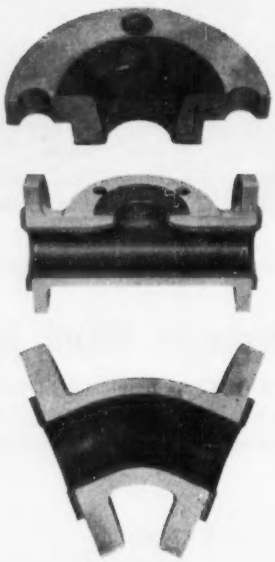


TEFLON® AT ITS BEST BY A PATENTED PROCESS

Fluoroflex-TS fittings are lined with specially processed* Teflon to provide maximum density and minimum crystallinity. These characteristics are essential to assure a nonporous lining free from fatigue cracks. Type TS fittings are maintenance-free even in the most corrosive service.

Liners are seamless with smooth contours for maximum flow and minimum back pressure. Housings are one piece ductile iron with 150# ratings to ASA dimensional standards (modified side outlet "Tee"). Ells are short radius for compact systems; reducing flanges are tapered. Change of direction or flow is never abrupt. Fluoroflex-TS fittings will mate with any 150# flange connections in existing piping systems.

Proven in continuous service, Fluoroflex-TS pipe handles the toughest problems of corrosion, erosion and contamination—with complete safety. Write Dept. 313 for Bulletin TS-1A, RESISTOFLEX CORPORATION, Roseland, N. J.



*Fluoroflex is a Resistoflex trademark, reg., U.S. pat. off.
*Teflon is DuPont's trademark for TFE fluorocarbon resins.

* *Pat. No. 2,752,637*

RESISTOFLEX

Complete systems for corrosive service



LINED STEEL PIPE • FLANGED FLEXIBLE HOSE • BELLOWS • ELBOWS • TEES • REDUCERS • DIP PIPES & SPARGERS • LAMINATED PIPE

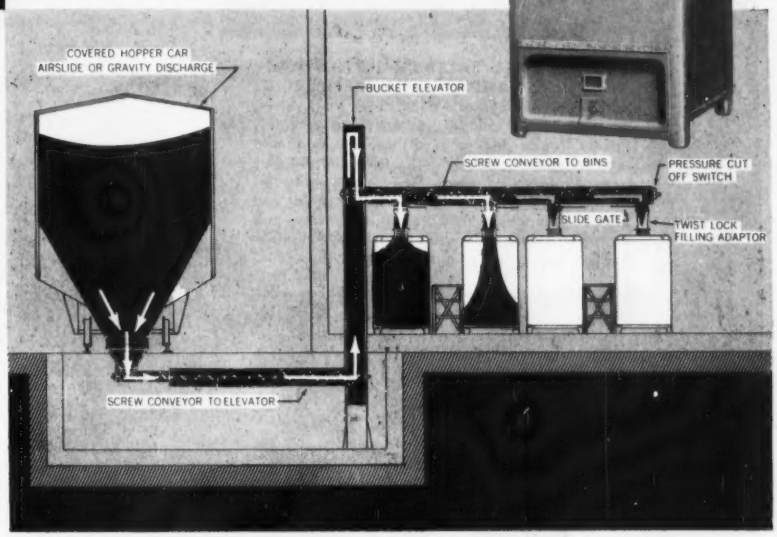
in BULK handling

TOTE SYSTEM*

offers GREATEST transportation flexibility

Tote, a *complete, mechanical, automatic bulk handling system,* is based on metal bins (aluminum, stainless or carbon steel, monel, or magnesium) plus filling and discharging equipment. Here is how it fits any transportation situation:

BULK HOPPER CARS



Tote System can be adapted readily to the use of bulk covered hopper cars, gravity discharge or Airslide®, when these are furnished free by the shipper or by the railroad.

The drawing at right shows how quickly and easily mechanical or pneumatic car unloading and Tote filling equipment moves the contents of the car into Tote Bins. The Bins can then be weighed and placed in your warehouse. (Only with Tote can you weigh your incoming material as a check against your supplier's invoice and also for inventory purposes.)

One man can handle the entire operation — unloading the car, filling, weighing, warehousing the Bins, and moving previously filled Bins from warehouse to discharge stations. In many installations, 100,000 pounds of material are being moved through the complete cycle in less than four hours by one man.

CONTAINER CARS

This special railroad car carries 26 Bins which can be filled by your supplier while still on the car. At your plant or team track, one man with a fork lift can unload the car in 35 minutes. A mileage allowance of 4 cents is paid for every mile this car travels.

TRUCKS

If bulk hopper trucks are employed, they can be unloaded into Tote Bins by the same method used to unload rail hopper cars. Or up to 16 Tote Bins, depending on weight restrictions, can be carried on conventional trucks and trailers.

Why not let our engineers survey your plant at no obligation? Meanwhile, write for new catalog containing complete details

TOTE SYSTEM, INC.

920 SO. 7TH BEATRICE, NEBRASKA

*Tote and Tote System Reg. U. S. Pat. Off.

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ARTHUR BATSNER .....Cincinnati 14, Ohio
BRUNGART-JENNINGS, INC..Birmingham 1, Ala., Mobile, Ala.
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EMPIRE ENGINEERING CO.....Pasadena 1, Calif.
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HOHL IND. SALES CO., INC.....Buffalo 13, N. Y.
HUNTOON EQUIPMENT CO.....Detroit 21, Mich.
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KINCO, INC.....Boston 61, Mass.
STANLEY G. KROTO.....Cleveland 18, Ohio
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O. W. MEYER .....Atlanta 6, Georgia
JIM McCABE.....New Orleans 19, La.
THE CHARLES E. MISCH CO.....Norwalk, Conn.
E. A. PAGELS.....New York 38, N. Y., Mahwah, N. J.
MANUEL PALES, JR.....San Juan 13, Puerto Rico
R. T. PATTON.....Newcastle, Pa.
OSCAR J. ROTH.....Indianapolis 8, Ind.
DON D. SHERIFF.....Tulsa, Okla.
D. S. SALES CO.....Oklahoma City, Okla.
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THORNELL ASSOCIATES .....Chicago 44, Ill.
TIDEWATER SUPPLY CO., INC...Asheville, N.C., Charlotte 3, N.C., Columbia, S.C., Greensboro, N.C., Greenville, S.C., Knoxville 1, Tenn., Norfolk 1, Va., Richmond 10, Va., Roanoke 8, Va.
TOWNE INDUSTRIAL EQUIP. CO.....Dallas 15, Texas
EQUIPMENT ENGINEERING CO.....Memphis, Tennessee
G. N. JOHNSTON CO. .....Montreal 9, Quebec

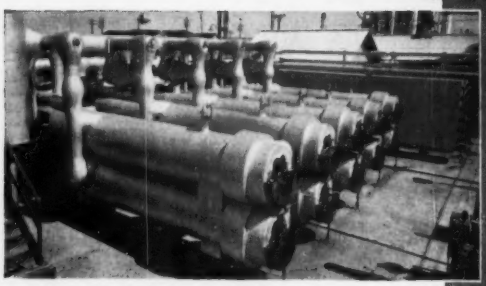
Vogt PRODUCTS

Designed for today's *Tough* service demands



FORGED STEEL VALVES & FITTINGS FOR TOUGHNESS AND TROUBLE-FREE SERVICE

Forged from carbon and alloy steels, Vogt valves, fittings, flanges and unions are built to safely handle liquids and gases at high pressures and temperatures in the modern petroleum refinery and petro-chemical plants. The complete line includes flanged, screwed and socket weld end globe, gate and check valves—ells, tees and crosses—couplings—bushings—plugs—unions—flanges and flange unions—and weld caps.



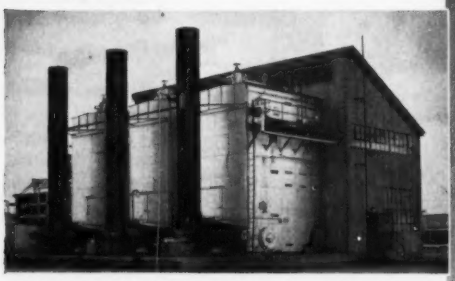
PROCESS EQUIPMENT FOR EVERY SERVICE

Vogt constructs process equipment in wide variety to all Codes. Stills and towers, oil chillers, crystallizers, heat exchangers, molding machines, etc., serve in the manufacture of oils, greases, 100 octane gasoline, synthetic rubber, chemicals and related products around the world.



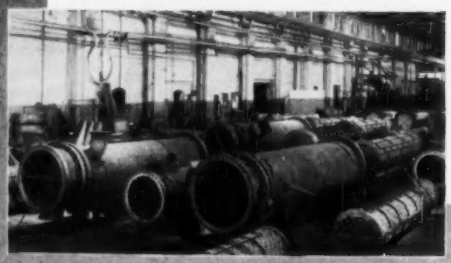
MORE REFRIGERATION TONNAGE AT LESS COST

More than 70 years of engineering and manufacturing experience is incorporated in Vogt refrigerating and ice making equipment. Compression Systems and Tube-Ice Machines in a wide range of capacities serve industrial and processing plants and institutions here and abroad.



HIGH EFFICIENCY STEAM GENERATORS

Vogt steam generators are designed to give maximum rating in a minimum of space, with high efficiency and low maintenance expense. Bent tube and straight tube designs are available for solid, liquid or gaseous fuels to meet every power, process or heating requirement.



SPECIAL MATERIALS COMBAT CORROSION AND PRODUCT CONTAMINATION

Our modern shops produce a wide variety of equipment from special metals and alloys to fight corrosion and product discoloration or contamination. Fabrication procedures insure that corrosion resistant properties of welds will match that of the materials used to construct the equipment.

HENRY VOGT MACHINE CO., LOUISVILLE, KY.

SALES OFFICES:
New York, Chicago, Cleveland, Dallas, Camden, N. J., St. Louis, Charleston, W. Va., Cincinnati

PRODUCTS FOR REFINERIES, CHEMICAL PLANTS, POWER PLANTS AND PROCESS INDUSTRIES
Write for literature, Dept. 24A-GCW

EQUIPMENT, CONTAINERS AND SUPPLIES

See Equipment Company Directory (pp 609-628) for addresses, telephone numbers and branches.
See page 2 for explanation of symbols and "How to use the Buyers' Guide Issue."

A

ABRASIVES

Exolon Co
General Elec Co, Metallurgical Products Dept
Martindale Elec Co
Norton Co
Pangborn Corp
Raybestos-Manhattan
W W Sly Mfg Co
United States Rubber Co
Wheelabrator Corp
Wyatt Metal & Boiler Works

ABSORBERS

►**Allied Chem Corp, Semet-Solvay Engrg Div**
National Carbon Co Div

Allied Steel Products Corp
Black, Sivalls & Bryson
Buflovak Equipment Div
Camden Copper Works
Carbone Corp
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Delta Tank Mfg Co
Falls Industries
Filtros, Inc
Gas Atmospheres
General American Transportation Corp
General Ceramics Corp
Graver Tank & Mfg Co
Maurice A Knight Co
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Patterson-Kelley Co
Claude B Schneible Co
Stearns-Roger Mfg Co
United States Stoneware Co
Vulcan Mfg

ACCUMULATORS

►**Allied Chem Corp, Semet-Solvay Engrg Div**

Adamson United Co
Alco Products
Aldrich Pump Co
Allied Steel Products Corp
Buflovak Equipment Div
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Island Equipment Corp
O G Kelley & Co
Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Stearns-Roger Mfg Co
Tube Manifold Corp
Wyatt Metal & Boiler Works

ACCUMULATORS, HYDRAULIC

Adamson United Co
Aldrich Pump Co
Babcock & Wilcox Co, Boiler Div
Croll Reynolds Engrg Co
Downingtown Iron Works
Elmes Engrg Div
Graver Tank & Mfg Co
Nooter Corp
Posey Iron Works

ACID EGGS

R D Cole Mfg Co
General Ceramics Corp
Knapp Mills
Maurice A Knight Co
United States Stoneware Co

ACIDULATORS

Allied Steel Products Corp
Knapp Mills
Manitowoc Shipbuilding
Nooter Corp
Sturtevant Mill Co

ACTUATORS, MOTOR

Annin Co
Bristol Co
Conoflow Corp
Electric Auto-Lite Co
General Controls Co
Jordan Co

ACTUATORS, VALVE

Allen-Sherman-Hoff Co
Annin Co
Barber-Colman Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Conoflow Corp
Crowell Designs
Foster Engrg Div
General Controls Co
Jordan Co
Klipfel Valves, Inc
Ladish Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
North American Mfg Co
Norwood Controls
Republic Flow Meters Co
C E Squires Co
C H Wheeler Mfg Co

ADAPTORS, FITTINGS

Alemite Div
Alloy Flange & Fitting Corp
Anchor Coupling Co
Chase Brass & Copper Co
Chicago Gasket Co
General Ceramics Corp
Ladish Co, Tri-Clover Div
Star Tank & Filter Corp

ADSORPTION APPARATUS

►**Allied Chem Corp, Semet-Solvay Engrg Div**
Barnebey-Cheney Co
National Carbon Co Div

Air Products, Inc; Process Equip Div
Black, Sivalls & Bryson
Buflovak Equipment Div
Carbone Corp
Controlled Atmosphere Enclosures Mfg Co
Delta Tank Mfg Co
Flexonics Corp
General Ceramics Corp
Graver Tank & Mfg Co
Kahn & Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Nooter Corp
Pittsburgh Lectrodryer Div
Stearns-Roger Mfg Co
Vulcan Mfg

AERATORS

►**Fuller Co**

Allied Steel Products Corp
American Water Softener Co
America Well Works
Bin-Dicator Co
Chase Brass & Copper Co
Dorr-Oliver, Inc
Elgin Softener Corp
Graver Water Conditioning Co
Infilco Inc
Jeffrey Mfg Co
Link-Belt Co
Nooter Corp
Permutit Co
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Graham Mfg Co
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Ingersoll-Rand Co
Johnson Corp
Joy Mfg Co
LeRoi Div
Manitowoc Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
National-US Radiator Corp
Nooter Corp
Southwestern Engrg Co
Stearns-Roger Mfg Co
Struthers-Wells Corp
Trane Co
Whitlock Mfg Co
Young Radiator Co

AGITATORS

J H Day Co Div
►**Eastern Industries**
Mixing Equipment Co
D J Murray Mfg Co

Allied Steel Products Corp
Alloy Products Corp
Alsop Engrg Corp
Buflovak Equipment Div
Chemineer, Inc
Conn & Co
Delta Tank Mfg Co
Denver Equipment Co
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Infilco Inc
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Knapp Mills
Manitowoc Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
Franklin P Miller & Son
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Ruthman Machy Co
F L Smidth & Co
A O Smith Corp
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div

AGITATORS, AIR

►**Eastern Industries**
►**Kennedy Van Saun Mfg & Engrg Corp**

Alloy Products Corp
Alsop Engrg Corp
Chemineer, Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Dorr-Oliver, Inc
Gifford-Wood Co
Manitowoc Shipbuilding, Fabricating Div
New England Tank & Tower Co
Yeomans Bros Co

AGITATORS, LIQUID

►**Eastern Industries**
Mixing Equipment Co

Alemite Div
Allied Steel Products Corp
Alsop Engrg Corp
Chemineer, Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Dorr-Oliver, Inc
Ertel Engrg Co
General American Transportation Corp
Gifford-Wood Co
Heil Process Equipment Corp
Infilco Inc
International Engrg, Inc
O G Kelley & Co
Kinetic Dispersion Corp
Knapp Mills
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Franklin P Miller & Son
Kenneth S Moore & Co
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Penberthy Mfg Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Ruthman Machy Co
Schutte & Koerting Co
A O Smith Corp
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div

AGITATORS, MECHANICAL

►**Eastern Industries**
Mixing Equipment Co
D J Murray Mfg Co

Allied Steel Products Corp
Alloy Products Corp
Alsop Engrg Corp
American Well Works
Bethlehem Foundry & Mach Co
Bodinson Mfg Co
Buflovak Equipment Div
Chemineer, Inc
Conn & Co
J P Devine Mfg Co
Dorr-Oliver, Inc
Ertel Engrg Corp
General American Transportation Corp
Galigher Co
General Ceramics Corp
Gifford-Wood Co
O G Kelley & Co
Knapp Mills
New England Tank & Tower Co
Nooter Corp
Pfaudler Co Div
Charles Ross & Son Co
F L Smidth & Co
A O Smith Corp
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div

See company directory for addresses ►See catalog advertisement (Advertisers Index)

Lightnin® Mixers

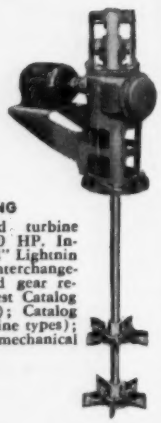
(MIXCO® Engineered)

Complete service on fluid mixing needs



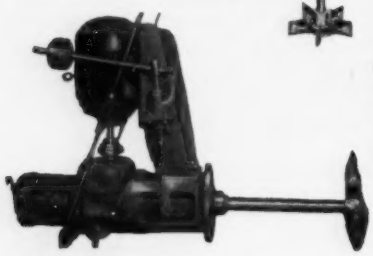
PORTABLE

More than 30 models, from ⅛ to 3 HP. Electric and air motor types. Direct-drive and gear-drive mixers for every application. Fully described in Catalog B-108.



TOP OR BOTTOM ENTERING

Propeller, paddle and turbine types. Sizes ¼ to 500 HP. Included are new Series "E" Lightnin Mixers with up to 16 interchangeable speeds in standard gear reducer. For details, request Catalog B-103 (propeller types); Catalog B-102 (paddle and turbine types); Catalog B-111 (rotary mechanical seals).



SIDE ENTERING

For tanks to 5 million gallons capacity. Sizes 1 to 25 HP. Gear-drive; V-belt drive. Request Catalog B-104.

LABORATORY MIXERS

Precision built Lightnin Mixers for laboratories and small-batch production. Electric or air driven. Request Bulletin B-112.

Lightnin Mixer advantages

All-standard construction—low upkeep
Easy conversion if process changes
Widest selection of impellers, mountings, materials
Scale-up results fully predictable
Efficient sizing in modern laboratory and pilot plant facilities
Delivered complete, ready to operate
Correct performance guaranteed—or purchase price refunded

MIXCO fluid mixing specialists

MIXING EQUIPMENT CO., INC.
139 Mt. Read Blvd., Rochester 3, N. Y.
In Canada: Greey Mixing Equipment, Ltd., Toronto 19, Ont.

AGITATORS, PILOT PLANT

►Eastern Industries
Mixing Equipment Co

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Ertel Engrg Corp
General Ceramics Corp
Gifford-Wood Co
International Engrg, Inc
O G Kelley & Co
Kinetic Dispersion Corp
Knapp Mills
Franklin P Miller & Son
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Charles Ross & Son Co
Star Tank & Filter Corp
Terriss Div

AGITATORS, PIPE LINE

Mixing Equipment Co

Alsop Engrg Corp
American Well Works
Chemineer, Inc
Conn & Co
Gifford-Wood Co
International Engrg, Inc
New England Tank & Tower Co
Schutte & Koerting Co

AGITATORS, PORTABLE

►Eastern Industries
Mixing Equipment Co

Alsop Engrg Corp
Arrow Tank Co
Chemineer, Inc
Arthur Colton Co
Conn & Co
J P Devine Mfg Co
Ertel Engrg Corp
First Machy Corp
Gifford-Wood Co
International Engrg, Inc
New England Tank & Tower Co
Patterson Foundry & Mach Co
Charles Ross & Son Co
Stewart-Warner Corp
Terriss Div

AGITATORS, STEAM & AIR JET

Croll-Reynolds Co

Heil Process Equipment Corp
North American Mfg Co
Penberthy Mfg Co
Schutte & Koerting Co

AIR CONDITIONING EQUIPMENT

Barnebey-Cheney Co
Niagara Blower Co

Acme Industries
American Standard Industrial Div
Bell & Gossett Co
Cambridge Filter Corp
Clarage Fan Co
Frick Co
General Motors Corp, Frigidaire Div
Marley Co
Marlo Coil Co
National-U S Radiator
Parks-Cramer Co
Redmanson Corp
Reynolds Elec Co
Simpson Electric, Batavia Body
A O Smith Corp
Surface Combustion Corp
Trane Co
Vilter Mfg Co
York Corp
Young Radiator Co

AIR CONDITIONING EQUIPMENT, RECOVERY SYSTEMS

Barnebey-Cheney Co
Niagara Blower Co

Automotive Rubber Co
Cambridge Filter Corp
Redmanson Corp
Trane Co
Wheelabrator Corp
York Corp

AIR CONDITIONING EQUIPMENT, SEPARATORS

Barnebey-Cheney Co

Automotive Rubber Co
Cambridge Filter Corp
Stewart-Warner Corp
Trane Co
Wheelabrator Corp

ALARMS, GAS

Bristol Co
Fischer & Porter Co
Mine Safety Appliances
Terriss Div
United Elec Controls Co
Victory Engrg Corp
Wallace & Tiernan Inc

ALARMS, LIQUID LEVEL

Charles F Warrick Co

Bailey Meter Co
Bendix Aviation Corp
Bin-Dicator Co
Bristol Co
Brooks Rotameter Co
Clayton Mark & Co
Falcon Alarm Co
Fischer & Porter Co
Jerguson Gage & Valve Co
Jo-Bell Products
Johnson Corp
Lunkenheimer Co
Magnetrol, Inc
McDonnell & Miller
Moore Products Co
Norwood Controls
Rochester Mfg Co
Shand & Jurs Co
Terriss Div
Thermo Elec Co
United Elec Controls Co
Victory Engrg Corp
Yarnall-Waring Co

ALARMS, PRESSURE

American Instrument Co
Bailey Meter Co
Bristol Co
Bryant Industrial Products
Thomas A Edison Industries
Ellison Draft Gage Co
Fischer & Porter Co
Fulton Sylphon Div
Moore Products Co
Norwood Controls
Rochester Mfg Co
Terriss Div
Thermo Elec Co
United Elec Controls Co
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

ALARMS, TEMPERATURE

American Instrument Co
Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Falcon Alarm Co
Fenwal, Inc
Fischer & Porter Co
Fulton Sylphon Div
Hallikainen Instruments
Illinois Testing Labs
Kidde Ultrasonic & Detection Alarms
Moore Products Co
Norwood Controls
Thermo Elec Co
United Elec Controls Co
United States Gauge Div
Weksler Instruments Corp
West Instrument Corp
Victory Engrg Corp

ALLOYS, ABRASION RESISTING

American Brass Co
Ampco Metal
Bridgeport Brass Co
A M Byers Co
Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
International Nickel Co
Lukens Steel Co
Michigan Standard Alloy Casting Co
National Conveyors & Co
Republic Steel Corp
Wall Colmonoy Corp

ALLOYS, ALUMINUM

American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co
Harvey Aluminum
National Cylinder Gas Div
Read Standard Div
Revere Copper & Brass
Wolverine Tube Div

ALLOYS, ALUMINUM BRONZE

American Brass Co
American Smelting & Refining Co
Ampco Metal
Bridgeport Brass Co
Revere Copper & Brass

ALLOYS, BERYLLIUM

Ampco Metal
Bridgeport Brass Co

ALLOYS, CAST

Advance Foundry Co
Allegheny Ludlum Steel Corp
Alloy Flange & Fitting Corp
American Cast Iron Pipe Co
Ampco Metal
Bridgeport Brass Co
Crucible Steel Co of America
Electric Steel Foundry
Harvey Aluminum
Haynes Stellite Co
International Nickel Co
Michigan Standard Alloy Casting Co
Wall Colmonoy Corp

ALLOYS, CHROMIUM

American Cast Iron Pipe Co
Bridgeport Brass Co
A M Byers Co
Crucible Steel Co of America
Union Carbide Metals Co
Wall Colmonoy Corp

ALLOYS, COBALT

Crucible Steel Co of America
Haynes Stellite Co
J A Samuel & Co
Wall Colmonoy Corp

ALLOYS, COPPER

American Brass Co
American Smelting & Refining Co
Ampco Metal
Bridgeport Brass Co
Chase Brass & Copper Co
Dalweld Co
Revere Copper & Brass
Wolverine Tube Div

ALLOYS, FERRO

►Metal & Thermit Corp

A M Byers Co
Crucible Steel Co of America
Electric Steel Foundry Co
Falk Corp
Republic Steel Corp
Union Carbide Metals Co

ALLOYS, FUSIBLE

American Smelting & Refining Co
Bridgeport Brass Co
Crucible Steel Co of America
Dalweld Co

ALLOYS, HARDSURFACING

Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
Edw Renneburg & Sons
Wall Colmonoy Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

ALLOYS, HEAT RESISTING

Allegheny Ludlum Steel Corp
Alloy Flange & Fitting Corp
American Cast Iron Pipe Co
Bridgeport Brass Co
A M Byers Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Electric Steel Foundry Co
General Elec Co, Metallurgical Prod Dept
Haynes Stellite Co
Hoskins Mfg Co
International Nickel Co
Jessop Steel Co
Mallory-Sharon Metals Corp
Michigan Standard Alloy Casting Co
J A Samuel & Co
Wall Colmonoy Corp

ALLOYS, IMPACT RESISTING

Ampco Metal
Brideport Brass Co
A M Byers Co
Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
Wall Colmonoy Corp

ALLOYS, LEAD

American Smelting & Refining Co
Knapp Mills
Lead Lined Iron Pipe Co

ALLOYS, MANGANESE

American Brazing Alloys Co
American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co
Crucible Steel Co of America
Dalweld Co
Electric Steel Foundry Co
Union Carbide Metals Co
Wickwire Spencer Steel Div

ALLOYS, MOLYBDENUM

Bridgeport Brass Co
A M Byers Co
Crucible Steel Co of America
Wickwire Spencer Steel Div

ALLOYS, NICKEL

American Cast Iron Pipe Co
American Smelting & Refining Co
Bridgeport Brass Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Daweld Co
Electric Steel Foundry Co
Haynes Stellite Co
Hoskins Mfg Co
International Nickel Co
Michigan Standard Alloy Casting Co
Techalloy Co
Wickwire Spencer Steel Div

ALLOYS, NICKEL CHROMIUM

American Cast Iron Pipe Co
American Smelting & Refining Co
Bridgeport Brass Co
A M Byers Co
Carpenter Steel Co
Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
Hoskins Mfg Co
International Nickel Co
Techalloy Co
Wall Colmonoy Corp

ALLOYS, PRECIOUS METAL

American Brazing Alloys Co
Bridgeport Brass Co
Dalweld Co
Engelhard Industries
Handy & Harman
J Bishop & Co Platinum Works
J A Samuel & Co

ALLOYS, SILVER

Dalweld Co
Englehard Industries
Handy & Harman
J A Samuel & Co

ALLOYS, STAINLESS STEEL

Allegheny Ludlum Steel Corp
Alloy Flange & Fitting Corp
American Brazing Alloys Co
Bridgeport Brass Co
A M Byers Co
G O Carlson
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Electric Steel Foundry Co
Hoskins Mfg Co
Jessop Steel Co
Michigan Standard Alloy Casting Co
Republic Steel Corp

ALLOYS, TIN

American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co

ALLOYS, TITANIUM

►Metal & Thermit Corp

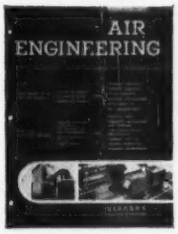
Bridgeport Brass Co
Crucible Steel Co of America
Harvey Aluminum
Mallory-Sharon Metals Corp
Union Carbide Metals Co

ALLOYS, TUNGSTEN

Fansteel Metallurgical
Union Carbide Metals Co
Wall Colmonoy Corp

AIR Engineering EQUIPMENT

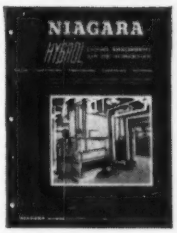
CHEMICAL PLANT EQUIPMENT



Bulletin describes Niagara apparatus for heat removal by the air method, cooling liquids and gasses and condensing vapors; heat and moisture control, vapor equilibrium by direct liquid contact and complete function regulation of air temperature and moisture content.

BULLETIN No. 135

DRYING AND DEHUMIDIFYING



Bulletins illustrate air conditioning, cabinet and drying installations including siccative coatings, paper, plastics, provisions, confectionery, pharmaceuticals, metallurgical uses.

BULLETIN No. 88
BULLETIN No. 140

HIGH PRESSURE STEAM HEATING



Bulletin describes method completely utilizing both the sensible and latent heat of high pressure steam. Trustworthy, long lived equipment for heating or process.

BULLETIN No. 109

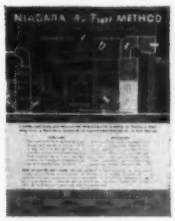
AERO AFTER COOLER



Describing equipment for cooling compressed air or gases, holding temperatures below ambient atmospheric to prevent condensation of moisture. Includes application to air liquefaction systems.

BULLETIN No. 130

COOLING AND FREEZING



Bulletins describe Niagara "No-Frost" method; production of extreme low temperature for industrial uses or food freezing, precooling and storage.

BULLETIN No. 95
BULLETIN No. 105

AIR CONDITIONING



Bulletins describe methods of obtaining precise control of temperature and moisture to help you make your product in any climate at any season. Illustrated with diagrams and photographs.

BULLETIN No. 122
BULLETIN No. 133

LIQUID COOLING



Cooling for chilled water or solutions, with elimination of freeze-up danger, with rapid chilling of large fluid volume and close temperature control.

BULLETIN No. 104R

VAPOR CONDENSING



Providing high vacuum, independent of a large supply of cooling water. Solves the problems of water supply and disposal. Fully automatic. Saves power. Saves steam.

BULLETIN No. 139-R

MOTOR BLOWERS



Bulletin describes blowers in two series up to 4" static pressure. Available in one, two and three fan assemblies. Applicable to ventilating, drying, air conditioning.

BULLETIN No. 89

AERO HEAT EXCHANGER



Bulletins describe evaporative cooling apparatus that keeps control of temperature within two degrees by modulating the flow of air. Saves 95% of cooling water. Provides heat when needed.

BULLETIN No. 120
BULLETIN No. 132

For further information write Dept. CW

NIAGARA BLOWER COMPANY

405 Lexington Avenue **New York 17, N. Y.**

ALLOYS, ZINC

American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co

ALUMINUM—INGOTS, SHAPES, ETC.

American Smelting & Refining Co
Bridgeport Brass Co
Harvey Aluminum
Kelley Mfg Co
Read Standard Div
Revere Copper & Brass
Wolverine Tube Div

AMMETERS, RECORDING

Bristol Co
Martindale Elec Co
General Elec Co, Apparatus Sales Div

AMPLIFIERS

Beckman Instruments, Systems Div
Bristol Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hays Corp
Houston Instrument Corp
Leeds & Northrup Co
Marathon Elec Mfg Corp
Republic Flow Meters Co
Thermo Elec Co

ANALYSIS APPARATUS, CHROMATOGRAPHIC

Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Baroid Div, National Lead Co
Beckman Instruments, Scientific & Process Instruments Divs
Central Scientific Co
Consolidated Electrodynamics Corp
Corning Glass Works
Fischer & Porter Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Industrial Instruments
Leeds & Northrup Co
Milton Roy Co
Perkin-Elmer Corp
Victory Engrg Corp

ANALYZERS, ELECTROLYTIC

Fisher Scientific

American Instrument Co
Leeds & Northrup Co
Eberbach Corp

ANALYZERS, GAS

Fisher Scientific

Air Products Inc; Process Equip Div
American Instrument Co
Bailey Meter Co
Baird-Atomic, Inc
Baroid Div, National Lead Co
Beckman Instruments, Scientific & Process Instruments Divs
Consolidated Electrodynamics Corp
Ellison Draft Gage Co
Fischer & Porter Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Hays Corp
Industrial Instruments
Harold Kruger Instruments
Laboratory Equipment Corp
Leeds & Northrup Co
Mine Safety Appliances
NRC Equipment Corp
National Instruments Labs, Inc
Permutit Co
Republic Flow Meters Co
Thermco Instrument Corp
Victory Engrg Corp

ANALYZERS, HYDROGEN

Fisher Scientific

Air Products, Inc; Process Equip Div
Beckman Instruments, Scientific & Process Divs
Central Scientific Co
Hallikainen Instruments
Hays Corp
Laboratory Equipment Corp
Leeds & Northrup
Mine Safety Appliances
Thermco Instrument Corp

ANALYZERS, INFRARED

Air Products, Inc; Process Equip Div
American Instrument Co
Beckman Instruments, Scientific & Process Instruments Divs
Baird-Atomic, Inc
Leeds & Northrup Co
Mine Safety Appliances
Perkin-Elmer Corp

ANALYZERS, OXYGEN

Fisher Scientific

Air Products, Inc; Process Equip Div
American Instrument Co
Bailey Meter Co
Beckman Instruments, Scientific & Process Instruments Divs
Consolidated Electrodynamics Corp
Ellison Draft Gage Co
Hays Corp
Industrial Instruments
Jarrell-Ash Co
Laboratory Equipment Corp
Leeds & Northrup Co
Mine Safety Appliances
Permutit Co
Swartwout Co
Thermco Instrument Corp

ANALYZERS, PHOTOELECTRIC

Fisher Scientific

American Instrument Co
Gardner Lab
Hallikainen Instruments
Jarrell-Ash Co
Harold Kruger Instruments
Laboratory Equipment Corp

ANALYZERS, SOUND

General Radio Co
Mine Safety Appliances
Simpson Electric Co

ANNUNCIATORS

Fischer & Porter Co

ANODES, BRASS

American Smelting & Refining Co
American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Revere Copper & Brass

ANODES, BRONZE

American Smelting & Refining Co
American Brass Co
Chase Brass & Copper Co
Revere Copper & Brass

ANODES, CADMIUM

American Smelting & Refining Co

ANODES, COPPER

►Metal & Thermit Corp

American Brass Co
American Smelting & Refining Co
Bridgeport Brass Co
Chase Brass & Copper Co
Revere Copper & Brass

ANODES, GRAPHITE

National Carbon Co Div

Great Lakes Carbon Corp, Electrode Div
Stackpole Carbon Co
International Graphite & Electrode Div

ANODES, LEAD

►Metal & Thermit Corp

American Smelting & Refining Co
Heil Process Equipment Corp
O G Kelley & Co
Knapp Mills
United States Stoneware Co
Wallace & Tiernan Inc

ANODES, MAGNESIUM

American Smelting & Refining Co

ANODES, NICKEL

►Metal & Thermit Corp

American Smelting & Refining Co

ANODES, PLATINUM

J Bishop & Co Platinum Works
Engelhard Industries
Handy & Harman

ANODES, SILVER

American Smelting & Refining Co
Engelhard Industries
Handy & Harman

ANODES, TIN

►Metal & Thermit Corp

American Smelting & Refining Co

ANODES, ZINC

American Smelting & Refining Co

APPAREL, INDUSTRIAL

American Optical Co
General Scientific Equipment Co
Industrial Products Co
United States Rubber Co
Workton, Inc

APRONS—RUBBER, PLASTIC, LABORATORY, NEOPRENE

Eastman Kodak Co
Fisher Scientific
►Goodall Rubber Co
Johns-Manville

American Optical Co
Robert Busse & Co
Gates Rubber Co
General Scientific Equipment Co
Hoosier Tarpaulin & Canvas Goods Co
Kennedy Car Liner & Bag Co
Industrial Products Co
Pelamay Products
Petra Mfg Co
Protective Lining Corp
Raybestos-Manhattan
M L Snyder & Son
United States Safety Service Co

ASBESTOS, FILTERING

Brositex Products Corp
National Filter Media Corp

American Smelting & Refining Co
Cellulo Co
Ertel Engrg Corp
Raybestos-Manhattan

ASBESTOS, MOLDED

Fisher Scientific
Johns-Manville

Garlock Packing Co
Greene, Tweed & Co
Raybestos-Manhattan

ASH HANDLING SYSTEMS

Allen-Sherman-Hoff Co
Beaumont Birch Co
Brady Conveyors Corp
Chain Belt Co
J C Corrigan Co
Gifford-Wood Co
Frank G Hough Co
Jeffrey Mfg Co
Johnson-March Co
Link-Belt Co
National Conveyors Co
Sturtevant Mill Co

ASPIRATORS

Bryant Industrial Products
Sutton, Steele & Steele, Inc

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Adamson United Co
Allied Steel Products Corp
Alco Products, Inc
American Car & Foundry Div
American Instrument Co
Artisan Metal Products
Bros, Inc
Buflovak Equipment Div
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Dravo Corp
Graver Tank & Mfg Co
O G Kelley & Co
Knapp Mills
Leader Iron Works
Nooter Corp
Parr Instrument Co
Pfaudler Co Div
Posey Iron Works
A O Smith Corp
Star Tank & Filter Corp
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Vulcan-Cincinnati
Wurster & Sanger
Wyatt Metal & Boiler Works, Inc

HERCULES ARIZONA
ASBESTOS
Commercially Free of Iron and Calcium

Hercules Arizona Asbestos, used loose in pressure leaf filters—or as pads in sheet filters—filters as low as 1/10th of a micron.

It is commercially free of iron and calcium. It has an acid soluble iron content of only .04% Fe 4/100ths of 1% and an acid soluble calcium content of less than .05% (expressed as Ca: 5/100ths of 1%).

It may be used alone as a pre-coat or in combination with diatomaceous earth, bleach clays and carbon. Blended with cellulose (bleached Sulphite,) it offers a wide viscosity range. It may also be slurry fed to act as a filter aid.

Hercules Asbestos with its almost complete freedom from iron and calcium helps you avoid precipitates such as ferric haze and tartrates.

Write for Asbestos literature, test sample and prices.

HERCULES FILTER CORP.
214 ETHYL AVE. HAWTHORNE, N. J.

►See catalog advertisement (Advertisers Index) See company directory for addresses

AUTOCLAVES, INDUSTRIAL

Standard Steel Corp

Adamson United Co
Allied Steel Products Corp
American Car & Foundry Div
American Instrument Co
American Sterilizer Co
Ampco Metal
Artisan Metal Products
Bros, Inc
Buflovak Equipment Div
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
Downingtown Iron Works
First Machy Corp
Graver Tank & Mfg Co
O G Kelley & Co
Knapp Mills
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Manning & Lewis Engrg Co
Mohawk Mfg Corp
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co
Ernest Scott & Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Vulcan-Cincinnati
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

AUTOCLAVES, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp

Adamson United Co
American Instrument Co
American Sterilizer Co
Artisan Metal Products
Autoclave Engrs Sales Corp
Barnstead Still & Sterilizer Co
Bros, Inc
Buflovak Equipment Div
J P Devine Mfg Co
First Machy Corp
O G Kelley & Co
Knapp Mills
Leader Iron Works
Parr Instrument Co
Pfaudler Co Div
Star Tank & Filter Corp

AUTOMATION SYSTEMS

Black, Sivalls & Bryson
Bristol Co
Cleveland Crane & Engrg Co
Ferranti Elec Inc
Granberg Corp
Island Equipment Corp
Jordan Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Thayer Scale Corp
United States Elec Motors

B

BAG CLOSING MACHINES

►**Kraft Bag Corp**
Union Bag-Camp Paper Corp

Consolidated Packaging Machy Corp
Bemis Bro Bag Co
St Regis Paper Co

BAG TIES, WIRE

Par-Pak Co
St Regis Paper Co

BAGS, BURLAP

Bemis Bro Bag Co
Chase Bag Co
West Virginia Pulp & Paper Co

BAGS, CANVAS

Bemis Bro Bag Co
Hoosier Tarpaulin & Canvas Goods Co
Filtration Fabrics Div
Industrial Products Co
Paul O Young Co

BAGS, COTTON

Bemis Bro Bag Co
Chase Bag Co
Hoosier Tarpaulin & Canvas Goods Co

BAGS, FILTER see Filter Bags

BAGS, MULTI-WALL

►**Kraft Bag Corp**
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Chase Bag Co
Continental Can Co, Containerboard & Kraft Paper Div
Cromwell Paper Co
International Paper Co
Owens-Illinois Glass Co, Multiwall Bag Div
Raymond Bag Corp
St Regis Paper Co
West Virginia Pulp & Paper Co

BAGS, PAPER

►**Kraft Bag Corp**
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Central States Paper & Bag Co
Continental Can Co, Flexible Packaging Div
Cromwell Paper Co
Gaylord Container Corp
Hedwin Corp
International Paper Co
Pelamay Products
Raymond Bag Corp
St Regis Paper Co
West Virginia Pulp & Paper Co

BAGS, PLASTIC

Better Containers Mfg Co
Central States Paper & Bag Co
Continental Can Co, Flexible Packaging Div
Flexi-Liner Co
Par-pak Co
Petra Mfg Co
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem Corp
United States Rubber Co

BAGS, POLYETHYLENE LINED

►**Kraft Bag Co**
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Central States Paper & Bag Co
Chase Bag Co
Continental Can Co, Flexible Packaging Div
Dura-Lee Corp
Owens-Illinois Glass Co, Multiwall Bag Div
International Paper Co
Pelamay Products
Protective Lining Corp
Raymond Bag Corp
Reliance Plastic & Chem Corp
St Regis Paper Co
West Virginia Pulp & Paper Co

BAGS, RUBBER

LaFavorite Rubber Mfg Co
M L Snyder & Son
United States Rubber Co

BAGS, VALVE, PAPER

►**Kraft Bag Corp**
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Chase Bag Co
International Paper Co
Owens-Illinois Glass Co, Multiwall Bag Div
Raymond Bag Corp
St Regis Paper Co
West Virginia Pulp & Paper Co

BAGS, WATERPROOF

Bemis Bro Bag Co
Central States Paper & Bag Co
Chase Bag Co
Continental Can Co, Flexible Packaging Div
Cromwell Paper Co
Dura-Lee Corp
Owens-Illinois Glass Co, Multiwall Bag Div
International Paper Co
Par-pak Co
Petra Mfg Co
Protective Lining Corp
Raymond Bag Corp
Reliance Plastic & Chem Corp
M L Snyder & Son
West Virginia Pulp & Paper Co

BAGS, WAXED

Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Central States Paper & Bag Co
Continental Can Co, Flexible Packaging
Cromwell Paper Co
International Paper Co
Raymond Bag Corp
St Regis Paper Co

BALANCES, ANALYTICAL

Fisher Scientific
Standard Scientific Supply Corp

Wm Ainsworth & Sons
Seederer-Kohlbusch
Torsion Balance Co

BALLS, FLOAT

Alloy Products Corp
American Hard Rubber Co
General Ceramics Corp
Luzerne Rubber Co
Scientific Glass Apparatus Co
Terriss Div

BALLS FOR BALL MILLS

Abbe Engrg Co
►**Kennedy Van Saun Mfg & Engrg Corp**

Paul O Abbe
Allis-Chalmers Mfg Co
Babcock & Wilcox Co, Boiler Div
Colorado Fuel & Iron
General Elec Co, Metallurgical Prod Dept
International Engrg, Inc
McDaniel Refractory Porcelain Co
Porcelain Div, Ferro Corp
United States Stoneware Co
Wickwire Spencer Steel Div

BALLS, STEEL & SPECIAL METAL

Abbe Engrg Co

SKF Industries

BAROMETERS

Fisher Scientific

Bristol Co
Central Scientific Co
Eberbach Corp
Laboratory Equipment Co
Precision Thermometer & Instrument Co
Wallace & Tiernan Inc

BARREL & BAG FILLING MACHINES

►**Kraft Bag Corp**
Union Bag-Camp Paper Corp

Chase Bag Co
Exact Weight Scale Co
Munson Mill Machy Co
Richardson Scale Co
Thayer Scale Corp
Triangle Package Machy

BARREL COVERS, PAPER

Central States Paper & Bag Co
Chase Bag Co

BARREL COVERS, VINYL PLASTIC

Central States Paper & Bag Co
Delaware Barrel & Drum Co
Flexi-Liner Co
Hoosier Tarpaulin & Canvas Goods Co
Pelamay Products
Petra Mfg Co
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem Corp

BARREL LIFTERS

Economy Engrg Co
Gifford-Wood Co
Hodgson Equipment Co
Industrial Products Co
Lewis-Shepard Products
Little Giant Products
Revolvator Co
Terriss Div
West Bend Equipment Corp

BARREL LINERS

Bemis Bro Bag Co
Better Containers Mfg Co
Bishopric Products Co
Chase Bag Co
Continental Can Co, Flexible Packaging Div
Delaware Barrel & Drum
Flexi-Liner Co
Hedwin Corp
Par-pak Co
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem Corp

BARREL STANDS

Abbe Engrg Co

American Pulley Co
Economy Engrg Co
Fairbanks Co
Hodgson Equipment Co
Industrial Products Co
Sabin Mach Co
Terriss Div
West Bend Equipment Corp
Paul O Young Co

BARREL TILTERS

American Pulley Co
Economy Engrg Co
Hodgson Equipment Co
Industrial Products Co
Lewis-Shepard Products
Revolvator Co
Terriss Div
United States Stoneware Co
West Bend Equipment Corp
Paul O Young Co

BARREL WASHERS

Hodgson Equipment Co
John Bean Div
Terriss Div

BARRELS, FIBER

►**Greif Bros Cooperage Corp**

Rheem Mfg Co, Container Div
Binder Cooperage Co

BARRELS, REMOVABLE COVER

Pressed Steel Tank Co
►**U S Steel Products Div**

Delaware Barrel & Drum
Redmanson Corp
Rheem Mfg Co, Container Div
Vulcan Containers

BARRELS, RUBBER-LINED

►**Goodall Rubber Co**
►**Greif Bros Cooperage Corp**

Automotive Rubber Co
Chase Chem Corp
B F Goodrich Industrial Products Co, Rubber
Knapp Mills
La Favorite Rubber Mfg Co
Plastic Applicators
Raybestos-Manhattan

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The closure that protects every drum you ship against leakage, pilferage and substitution! Designed by American Flange with three interengaging parts – flange, plug, seal – in a wide range of materials and coatings to meet any product requirement. **Specify Tri-Sure** for drum closures . . . and you'll know why it's **TRI-SURE** THE WORLD OVER!

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AMERICAN FLANGE & MANUFACTURING CO. INC.
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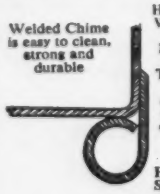
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Tri-Sure S/A Indústria e Comércio, Sao Bernardo Do Campo, Estado de Sao Paulo, Brazil
American Flange & Manufacturing Co. Inc., Villawood, New South Wales, Australia
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Hackney *Returnable* Drums and Barrels are ruggedly constructed to assure a long lasting container supply. These containers permit easy removal of contents because openings are unobstructed. Chime construction leaves no cracks or crevices, making the drums easy to clean. Removable heads, forming air-tight covers, are held snugly to curled edges of container by Toggle-tite or single bolt type clamp rings. Hackney removable and tight head barrels and drums conform to ICC specifications. Also available in nickel, monel and mild steel. Write for complete details.

Welded Chime is easy to clean, strong and durable

Hackney Welded Type Drum, with Toggle-tite quick-action closure



Hackney Seamless Bilged Barrel, with bolt-type closure



Hackney

PRESSED STEEL TANK CO.
Manufacturer of Hackney Products
1448 S. 66th St., Milwaukee 14, Wisconsin

BARRELS, STEEL

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►Continental Can Co, Metal Div
►Greif Bros Cooperage Corp
Pressed Steel Tank Co
►U S Steel Products Div

Binder Cooperage Co
Delaware Barrel & Drum Co
Rheem Mfg Co, Container Div
Republic Steel Corp
Southline Metal Products Co
Vulcan Containers

BARRELS, WOOD

►Greif Bros Cooperage Corp

Associated Cooperage Industries of America
Binder Cooperage Co

BASE PLATES

Delta Tank Mfg Co
Link-Belt Co
Wickwire Spencer Steel Div
McGregor-Michigan Corp
Wyatt Metal & Boiler Works, Inc

BASKETS, ALLOY

Allied Steel Products Corp
Haynes Stellite Co
Kirk & Blum Mfg Co
Newark Wire Cloth Co
Republic Steel Corp
Stanwood Corp

BASKETS, CENTRIFUGAL

Heyl & Patterson

Bird Mach Co
Camden Copper Works
Kirk & Blum Mfg Co
Edw Renneburg & Sons Co
Tolhurst Centrifugals Div
Western States Mach Co

BASKETS, HARD RUBBER

American Hard Rubber Co
La Favorite Rubber Mfg Co
Luzerne Rubber Co

BASKETS, RUBBER COVERED

►Goodall Rubber Co

American Hard Rubber Co
Automotive Rubber Co
Chase Chem Corp
Raybestos-Manhattan
Stanwood Corp
Tolhurst Centrifugal Div
Western States Mach Co

BASKETS, STONEWARE

General Ceramics Corp
Maurice A Knight Co

BASKETS, TANTALIUM

Haynes Stellite Co

BATHS, CONSTANT TEMPERATURE

Fisher Scientific

American Instrument Co
Electric Hotpack Co
Gardner Lab
Hallikainen Instruments
Hevi-Duty Elec Co
Platecoil Div
Soiltest, Inc
Victory Engrg Corp

BATHS, OIL

Fisher Scientific

Air-Maze Corp
American Instrument Co
General Elec Co, Apparatus Sales Div
Electric Hotpack Co
Hallikainen Instruments
Hevi-Duty Elec Co

BATHS, WATER

Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Eberbach Corp
Electric Hotpack Co
Gardner Lab
Hallikainen Instruments
Laboratory Furniture Co
Soiltest, Inc
Victory Engrg Corp

BATTERIES, DRY

Burgess Battery Co

BATTERIES, STORAGE

Electric Auto-Lite Co
Exide Industrial Div
Gates Rubber Co
United States Rubber Co

BEAKERS

Fisher Scientific

American Hard Rubber Co Div
Corning Glass Works
Kimble Glass Co
Thermal American Fused Quartz

BEAKERS, STAINLESS STEEL

Fisher Scientific

Terriss Div

BEARINGS, ACID RESISTING

Ampco Metal
Carbone Corp
Chicago Gasket Co
Fluorulon Labs
Garlock Packing Co
Haynes Stellite Co
Knapp Mills
Polymer Corp
Stackpole Carbon Co

BEARINGS, BALL

Dodge Mfg Corp
SKF Industries
L Finking
Stephens-Adamson Mfg Co

BEARINGS, ROLLER

Chain Belt Co
Dodge Mfg Co
SKF Industries
Timken Roller Bearing Co

BELLOWS, BRASS, BRONZE

Anaconda Metal Hose Div
Bristol Co
Flexonics Corp
Fulton Sylphon Div

BELLOWS, RUBBER and DUCK

LaFavorite Rubber Mfg Co

BELLOWS, STAINLESS STEEL

Anaconda Metal Hose Div
Badger Mfg Co
Bristol Co
Croll-Reynolds Engrg Co
Flexonics Corp
Fulton Sylphon Div
Solar Aircraft Co
Zallea Bros

BELLOWS, SYNTHETIC RESIN

►Resistoflex Corp

Chicago-Allis Mfg Corp
Chicago Gasket Co
Fluorulon Labs

BELTS, CONVEYOR & ELEVATOR

►Goodall Rubber Co

Gates Rubber Co
Gifford-Wood Co
B F Goodrich Industrial Prod Co, Plastics
Link-Belt Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Read Standard Div
Republic Rubber Div
Russell Mfg Co
Sprout, Waldron & Co
United States Rubber Co
Wickwire Spencer Steel Div

BELTS, POWER TRANSMISSION

►Goodall Rubber Co

Chicago-Allis Mfg Corp
Dodge Mfg Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics
Great Western Mfg Co
Link-Belt Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Russell Mfg Co
United States Rubber Co

BELTS, V

►Goodall Rubber Co

Allis-Chalmers Mfg Co
Dodge Mfg Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Rubber
Great Western Mfg Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

BENDERS, TUBE

Parker Fittings & Hose Div
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div

BINS

►Tote System

Artisan Metal Products Co
Barber-Greene Co
Boardman Co
Continental Boiler & Sheet Iron Works
J C Corrigan Co
Delta Tank Mfg Co
Electric Cord Co
Folstrom Co
General American Transportation Corp
Gifford-Wood Co
Graver Tank & Mfg Co
Kalamazoo Tank & Silo Co
Kirk & Blum Mfg Co
Leader Iron Works
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Modern Welding Co
Neff & Fry Co
Nooter Corp
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Rapids Machy Co
Republic Steel Corp
Sprout, Waldron & Co
Stearns-Roger Mfg Co
C H Wheeler Mfg Co
Winslow Scale Works

BINS, STORAGE

DuVerre, Inc
►Tote System

Allied Steel Products Corp
Barber-Greene Co
Boardman Co
Bodison Mfg Co
Butler Mfg Co
Chempro Equipment Co
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
J P Corrigan Co
Day Co
Delta Tank Mfg Co
Denver Equipment Co
Elberta Crate & Box Co
Electric Cord Co
Equipto
General American Transportation Corp
Graver Tank & Mfg Co
Kalamazoo Tank & Silo Co
Kirk & Blum Mfg Co
Leader Iron Works
Lippmann Engrg Works
McGregor-Michigan Corp

►See catalog advertisement (Advertisers Index) See company directory for addresses

Manitowoc Shipbuilding, Chem Engrg Service Div
Manitowoc Shipbuilding, Fabricating Div
Modern Welding Co
National Conveyors Co
Neff & Fry Co
Nooter Corp
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Read Standard Div
Edw Renneburg & Sons Co
Republic Steel Corp
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Stover Steel Tank & Mfg Co
United States Rubber Co
Universal Road Machy Co
Wendnagel & Co
Wyatt Metal & Boiler Inc

BLAST CLEANING EQUIPMENT

John Bean Div
J C Corrigan Co
Leiman Bros, Inc
Norton Co
Pangborn Corp
W W Sly Mfg Co
Wheelabrator Corp

BLENDERS, CONE

Paul O Abbe
Allied Steel Products Corp
Boardman Co
Buflovak Equipment Div
J P Devine Mfg Co
Dravo Corp
First Machy Corp
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Leader Iron Works, Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
A O Smith Corp
United States Stoneware

BLENDERS, DRY

Abbe Engrg Co
J H Day Co Div
►Fuller Co

Paul O Abbe
American Well Works
Bordman Co
Buflovak Equipment Div
Arthur Colten Co
J P Devine Mfg Co
Dravo Corp
First Machy Corp
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hayes & Stolz Industrial Co
International Engrg, Inc
Jordan Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
McDowell Co
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Posey Iron Works
Rapids Machy Co
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Safety Industries Entoleter Div
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Sturtevant Mill Co

BLENDERS, HORIZONTAL

Abbe Engrg Co
J H Day Co Div

Paul O Abbe
Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Boardman Co
Buflovak Equipment Div
Chemicolloid Labs Inc
Colonial Iron Works Co
J P Devine Mfg Co
First Machy Corp
Gruendler Crusher & Pulverizer Co
Hayes & Stolz Industrial Co
International Engrg Inc
Leader Iron Works
Manning & Lewis Engrg
Manitowoc Shipbuilding, Chem Engrg Service Div
McDowell Co
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Patterson-Kelley Co
Rapids Machy Co
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Struthers Wells Corp
Sturtevant Mill Co

BLENDERS, LIQUID FEED

Abbe Engrg Co
J H Day Co Div
Mixing Equipment Co

Paul O Abbe
American Well Works
BIF Industries
S Blickman, Inc
Brooks Rotometer Co
Buflovak Equipment Div
Chemicolloid Labs Inc
J P Devine Mfg Co
Gifford-Wood Co
Hayes & Stolz Industrial Co
Jordan Co
Kinetic Dispersion Corp
Lapp Insulator Co
Manitowoc Shipbuilding, Chem Engrg Service Div
McDowell Co
Myers Sherman Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co

BLENDERS, SPIRAL

J H Day Co Div

Paul O Abbe
Buflovak Equipment Div
J P Devine Co
Industrial Process Engrs
Manning & Lewis Engrg Co
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Posey Iron Works
Prater Pulverizers
Read Standard Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp

See company directory for addresses
►See catalog advertisement (Advertisers Index)

BLENDERS, TUMBLING-V

Abbe Engrg Co

Allied Steel Products Corp
Camden Copper Works
McDowell Co
Nooter Corp
Patterson-Kelley Co
Read Standard Div
Edw Renneburg & Sons Co
United States Stoneware Co

BLOWERS, CENTRIFUGAL

DuVerre, Inc
Niagara Blower Co

Allis-Chalmers Mfg Co
American Standard Industrial Div
Boardman Co
Bryant Industrial Products
Clarage Fan Co
Coppus Engrg Corp
Day Co
Eclipse Fuel Engrg Co
Elliott Co
General Blower Co
General Ceramics Corp
Heil Process Equipment Corp
Hevi-Duty Elec Co
Ingersoll-Rand Co
National Conveyors Co
National-US Radiator Corp
North American Mfg Co
Peerless Elec Co
Prater Pulverizer Co
Edw Renneburg & Sons
Robbins & Myers
Spencer Turbine Co
Sprout, Waldron & Co
Westinghouse Elec Corp

BLOWERS, LABORATORY

DuVerre, Inc
Fisher Scientific

American Standard Industrial Div
Central Scientific Co
Eberbach Corp
General Ceramics Corp
Heil Process Equipment Corp
Joy Mfg Co
Lehigh Fan & Blower Div
McDowell Co
Sutorbilt Corp

BLOWERS, PORTABLE

Coppus Engrg Corp
General Blower Co
International Engrg Inc
Joy Mfg Co
Lehigh Fan & Blower Div
Martindale Elec Co
Myers Sherman Co
North American Mfg Co
Robbins & Myers
Sprout, Waldron & Co
Sutorbilt Corp

BLOWERS, SOOT

Croll-Reynolds Co

Chicago Pneumatic Tool Co
Clarage Fan Co
Copes-Vulcan Div
Cooper-Bessemer Corp
Joy Mfg Co

BLOWERS, STEAM JET

Artisan Metal Products
Brady Conveyors Corp
Graham Mfg Co
Heil Process Equipment
National Conveyors Co
Schutte & Koerting Co

BLOWERS, TURBINE

Allis-Chalmers Mfg Co
American Standard Industrial Div
Coppus Engrg Corp
Elliott Co
Heil Process Equipment Corp
Joy Mfg Co
Myers Sherman Co
North American Mfg Co
Spencer Turbine Co
L J Wing Mfg Co

BOILER BLOWOFF SYSTEMS (CONTINUOUS)

Brooks Rotameter Co
Cochrane Corp
Graver Water Conditioning Co
Henszey Co
Los Angeles Water Softener Co
Permutit Co
Whitlock Mfg Co

BOILER FEED WATER SYSTEMS

Atlas Valve Co
Bailey Meter Co
Brooks Rotameter Co
Chem-Pure Service Co
Copes-Vulcan Div
Eclipse Fuel Engrg Co
Elgin Softener Corp
Fischer & Porter Co
Graver Water Conditioning Co
General Controls Co
Johnson Corp
Los Angeles Water Softener Co
McDonnell & Miller
Republic Flow Meters Co
Fred H Schaub Engrg Co
C E Squires Co
Whitlock Mfg Co

BOILER WATER CONTROL EQUIPMENT

Charles F Warrick Co

Atlas Valve Co
Brooks Rotameter Co
Chem-Pure Service Co
Clayton Mfg Co
Fischer & Porter Co
General Controls Co
Industrial Instruments, Inc
Johnson Corp
Leslie Co
Lunkenheimer Co
Magnetrol, Inc
McDonnell & Miller
C E Squires Co
Wallace & Tiernan Inc
W A Taylor & Co

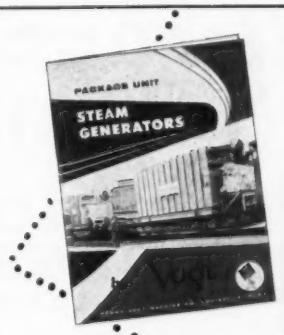
BOILERS, FIRE TUBE

►Henry Vogt Mach Co

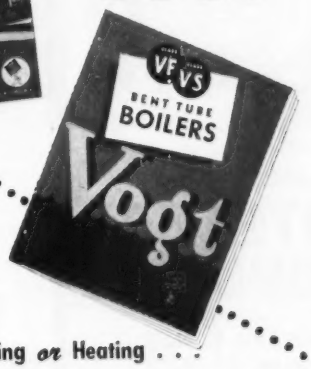
American Standard Industrial Div
Ames Iron Works
Bros, Inc
Cleaver-Brooks Co
Combustion Engrg
Eclipse Fuel Engrg Co
Erie City Iron Works
M W Kellogg Co
National-U S Radiator Corp
Struthers Wells Corp
Western Boiler Co

BOILERS, HIGH PRESSURE

►Henry Vogt Mach Co
(Continued)



MORE STEAM at less COST



Package Unit *and* Custom Built Steam Generators *for* Power, Processing *or* Heating . . .

Vogt steam generators are designed to give maximum rating in minimum space, with high efficiency and low maintenance. Available in bent tube and straight tube designs for solid, liquid or gaseous fuels burned singly or in combination.
Package units range from 10,000 to 50,000 pounds capacity and custom built units are obtainable in the larger capacities. Bulletins on request. Write Dept. 24A-BCW.

HENRY VOGT MACHINE CO. • P. O. Box 1918 • Louisville 1, Ky.

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American Standard Industrial Div
Ames Iron Works
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Clayton Mfg Co
Cleaver-Brooks Co
Combustion Engrg
Eclipse Fuel Engrg Co
Erie City Iron Works
Foster Wheeler Corp
International Boiler Works Co
M W Kellogg Co
Murray Iron Works Co
National-US Radiator Corp
Riley Stoker Corp
Struthers Wells Corp
Western Boiler Co

BOILERS, INTEGRAL FURNACE

Babcock & Wilcox Co, Boiler Div
Bros, Inc
Combustion Engrg
Eclipse Fuel Engrg Co
Erie City Iron Works
Foster Wheeler Corp
M W Kellogg Co
Murray Iron Works Co
Struthers Wells Corp
Western Boiler Co

BOILERS, WASTE HEAT

►Allied Chem Corp, Semet Solvay Engrg Div
►Henry Vogt Mach Co
Alco Products
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Combustion Engrg
Downingtown Iron Works
Engineering Controls
Erie City Iron Works
Foster Wheeler Corp
Gas Machy Co
International Boiler Works Co
E Keeler Co
Murray Iron Works Co
Riley Stoker Corp
Southwestern Engrg Co
Struthers Wells Corp
Whitlock Mfg Co

BOILERS, WATER TUBE

►Henry Vogt Mach Co
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Clayton Mfg Co
Cleaver-Brooks Co
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
International Boiler Works Co
M W Kellogg Co
Murray Iron Works Co
Riley Stoker Corp
Struthers Wells Corp

BOMBS, OXYGEN

Fisher Scientific
Pressed Steel Tank Co
Alloy Products Corp
Parr Instrument Co

BOMBS, SODIUM PEROXIDE

Fisher Scientific
Parr Instrument Co

BOOSTERS

Croll-Reynolds Co
►Fuller Co
Heatron, Inc
Schutte & Koerting Co

BOOSTERS, PRESSURE

►Fuller Co
Allis-Chalmers Mfg Co
Beach-Russ Co
Cleaver-Brooks Co
Eclipse Fuel Engrg Co
Elliott Co
Joy Mfg Co
North American Mfg Co
Spencer Turbine Co

BOTTLE CAPPING MACHINES

Anchor Hocking Glass Corp
Consolidated Packaging Machy Corp
Crown Cork & Seal Co
Ertel Engrg Corp
Karl Kiefer Mach Co
Ogden Filter Co, Inc
Popper & Sons
Terriss Div

BOTTLE CLEANING MACHINES

MRM Co

BOTTLE FILLING MACHINES

Arthur Colton Co
Ertel Engrg Corp
First Machy Corp
FMC Packaging Machy Div
Frazier & Son
Girdler Process Equipment Div
B F Gump Co
C W Logeman Co
MRM Co
G Diehl Mateer Co
Ogden Filter Co, Inc
Popper & Sons
Terriss Div

BOTTLE SHAKING MACHINES

Clay-Adams
Eberbach Corp
Great Western Mfg Co
B F Gump Co

BOTTLES, ALUMINUM

Fisher Scientific

BOTTLES, GLASS

Fisher Scientific
United Box & Lumber Co
Anchor Hocking Glass Corp
Continental Can Co, Hazel-Atlas Glass Div
Corning Glass Works
Owens-Illinois Glass Co, Glass Container Div

BOTTLES, HARD RUBBER

American Hard Rubber Co
Luzerne Rubber Co Div

BOTTLES, PLASTIC

Fisher Scientific
United Box & Lumber Co
Continental Can Co, Plastic Container Div
Delaware Barrel & Drum Co
Fluorulon Labs
Imco Container Corp
Owens-Illinois Glass Co, Closure & Plastics Div
Plax Corp

BOXES, CARBOY

United Box & Lumber Co
Elberta Crate & Box Co
Plax Corp

BOXES, CARBURIZING

Allied Steel Products Corp
Stanwood Corp

BOXES, FIBER

Continental Can Co, Fibre Drum & Corrugated Box Div
Gaylord Container Corp
Hinde & Dauch Div
Middlesex Paper Tube Co
St Regis Paper Co

BOXES, METAL

Anchor Hocking Glass Corp
Controlled Atmosphere Enclosures Mfg Co
General Metals Inc
Kelley Mfg Co
Kirk & Blum Mfg Co
Modern Welding Co
Mohawk Mfg Corp
Union Steel Chest Corp

BOXES, SHIPPING

Union Bag-Camp Paper Corp
Continental Can Co, Fibre Drum & Corrugated Box Div
Elberta Crate & Box Co
Ft Wayne Corrugated Paper Co
Gaylord Container Corp
Owens-Illinois Glass Co, Paper Products Div
St Regis Paper Co
Treen Box Co

BOXES, VACUUM

S Blickman, Inc
Controlled Atmosphere Enclosures Mfg Co
J P Devine Mfg Co
NRC Equipment Corp
Arthur F Smith Co

BOXES, WIRE-BOUND

Crosby Forest Products Co
Great Southern Wire Bound Box Co
Indianapolis Wire Bound Box Co
Jones Box & Mill Div
David M Lea & Co
Main Bros Box & Lumber Co
Rathborne, Hair & Ridgway Box Co
Western Wirebound Box Co

BOXES, WOODEN

United Box & Lumber Co
Elberta Crate & Box Co
St Regis Paper Co
Treen Box Co

BRAKES, MAGNETIC

General Elec Co, Apparatus Sales Div

BRASS (INGOTS, SHAPES)

American Smelting & Refining Co
Anchor Hocking Glass Corp
Bridgeport Brass Co
Chase Brass & Copper Co

BREATHERS, STORAGE TANK

Pittsburgh Lectrodryer Div
Shand & Jurs Co

BRICK, ACID-RESISTING

National Carbon Co Div
General Ceramics Corp
Knapp Mills
Maurice A Knight Co
Norton Co
Nukem Products Corp
Robinson Clay Product Co
United States Stoneware Co

BRICK, CARBON

National Carbon Co Div

BRICK, INSULATING

Johns-Manville
Armstrong Cork Co
Babcock & Wilcox Co, Refractories Div
A P Green Fire Brick Co
Mexico Refractories Co
Norton Co
Robinson Clay Product Co

BRICK, PORCELAIN

Paul O Abbe
General Ceramics Corp
Maurice A Knight Co
Lapp Insulator Co
McDanel Refractory Porcelain Co
Porcelain Div, Ferro Corp

See company directory for addresses
*Company classifies itself as producer

Safer! Stronger! Cost-Cutting!



Aero RUBBER-CUSHIONED STANDARD CORK-CUSHIONED CARBOY BOXES
5 - 6½ - 13 Gal.

Longer-life, lower breakage, precision-made carboy boxes, built to I. C. C. specifications. Proof against rough handling and long-haul hazards. Cork or rubber-cushioned: The Strongest and Safest Made. Prompt service and deliveries.

BAUM & WILLSE DIVISION
UNITED BOX & LUMBER CO.
45 S. Wheeler Point Road
NEWARK 5, N. J.
MArket 2-4500

Extra GLASS & PLASTIC Bottles
All Sizes - From 1 to a Carload

★

Serving entire chemical industry over 35 years

5, 6½ and 13-Gal.
PLASTIC BOTTLES
Encased in "POLY-STANDARD" CARBOY BOXES. Approved ICC-1G.
Durable. Light weight.

Inquiries cordially invited

13-Gal. Glass Bottles: Immediate Delivery !

BRICK, REFRACTORY

Johns-Manville

Babcock & Wilcox Co, Refractories Div
General Ceramics Corp
A P Green Fire Brick Co
Kaiser Chems Div
Mexico Refractories Co
Norton Co
Plibrico Co
Robinson Clay Product Co

BRICK, SILICA

Johns-Manville

A P Green Fire Brick Co
Mexico Refractories Co
Thermal American Fused Quartz

BRICK, SILICON CARBIDE

Babcock & Wilcox Co, Refractories Div
A P Green Fire Brick Co
Norton Co

BRIDGES, CONDUCTIVITY

Fisher Scientific

General Elec Co, Apparatus Sales Div
General Radio Co
Henszey Co
Industrial Instruments

BRONZE, ACID-RESISTING (BARS, RODS, SHEETS, ETC.)

American Brass Co
Ampco Metal
Chase Brass & Copper Co

BRUSHES, ELECTRIC GENERATOR & MOTOR

National Carbon Co Div

Carbone Corp
Electric Machy Mfg Co
Stackpole Carbon Co

BUCKETS, ACID-RESISTING

DuVerre, Inc
Fisher Scientific

American Hard Rubber Co
Automotive Rubber Co
B F Goodrich Industrial Prod Co, Rubber
Kirk & Blum Mfg Co
Luzerne Rubber Co
Terriss Div

BUCKETS, CLAMSHELL

Heyl & Patterson

Pettibone Mulliken Corp
Edw Renneburg & Sons
Whiting Corp

BUCKETS, DRAGLINE

Pettibone Mulliken Corp

BUCKETS, ELEVATOR & CONVEYOR

Boardman Co
Bodinson Mfg Co
Brady Conveyors Corp
Chain Belt Co
Continental Boiler & Sheet Iron Works
J C Corrigan Co
Denver Equipment Co
Gifford-Wood Co
Great Western Mfg Co
Hendrick Mfg Co
Hewitt-Robins
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manufacturers Equipment Co
Materials Handling Equipment Co
Pettibone Mulliken Corp
Rapids Machy Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co
Stover Steel Tank & Mfg Co

BUCKETS, SKIP HOIST

Boardman Co
Bodinson Mfg Co
Conveyors & Dumpers, Inc
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Posey Iron Works
Stephens-Adamson Mfg Co
Whiting Corp

BUNGS, BARREL & DRUM

American Flange & Mfg Co

Protectoseal Co

BURNERS, GAS

Fisher Scientific

American Gas Furnace Co
Bryant Industrial Products
Central Scientific Co
Combustion Engrg
Coppus Engrg Corp
Despatch Oven Co
Eclipse Fuel Engrg Co
Engineer Co
Erie City Iron Works
S P Kinney Engrs Inc
Mid-Continent Metal Products Co
National Airoil Burner Co
National-US Radiator Corp
North American Mfg Co
Ray Burner Co
Selas Corp of America
Submerged Combustion
Surface Combustion Corp
Thermal Research & Engrg Corp

BURNERS, HIGH VELOCITY

American Gas Furnace Co
Bryant Industrial Products
Combustion Engrg
Despatch Oven Co
Eclipse Fuel Engrg Co
National Airoil Burner Co
Selas Corp of America
Submerged Combustion
Surface Combustion Corp
Thermal Research & Engrg Corp

BURNERS, INCINERATOR

Bryant Industrial Products
Combustion Engrg
Eclipse Fuel Engrg Co
Engineer Co
North American Mfg Co
Mid-Continent Metal Products Co
National Airoil Burner Co
Thermal Research & Engrg Corp

BURNERS, OIL

Babcock & Wilcox Co, Boiler Div
Bryant Industrial Products
Combustion Engrg
Eclipse Fuel Engrg Co
Engineer Co
Erie City Iron Works
Hevi-Duty Elec Co
National Airoil Burner Co
National-US Radiator Corp
North American Mfg Co
Ray Burner Co
Edw Renneburg & Sons Co
W S Rockwell Co
Thermal Research & Engrg Corp

BURNERS, OIL & GAS COMBINATION

►Kennedy Van Saun Mfg & Engrg Corp

Babcock & Wilcox Co, Boiler Div
Bryant Industrial Products
Combustion Engrg
Coppus Engrg Corp
Eclipse Fuel Engrg Co
Enterprise Engine & Gas Machy Co
Engineer Co
Erie City Iron Works
National Airoil Burner Co
North American Mfg Co
Ray Burner Co
W S Rockwell Co
Surface Combustion Corp
Thermal Research & Engrg Corp

BURNERS, SULFUR

National Airoil Burner Co
Edw Renneburg & Sons Co
Stearns-Roger Mfg Co
Thermal Research & Engrg Corp

BUSHINGS, METAL

Ampco Metal
Camco Fittings, Inc
Chase Brass & Copper Co
Electric Steel Foundry Co
Flood City Brass & Elec Co
Haynes Stellite Co
Hodgson Equipment Co
Stephens-Adamson Mfg Co
Stockham Valves & Fittings
Walworth Co

BUSHINGS, PLASTIC

Johns-Manville

Chicago Gasket Co
Garlock Packing Co
Hodgson Equipment Co
Luzerne Rubber Co
Polymer Corp
National Vulcanized Fibre Co
Sparta Mfg Co
Walworth Co

BUSHINGS, RUBBER

Goshen Rubber Co
La Favorite Rubber Mfg Co
Luzerne Rubber Co
Plastic Applicators
H K Porter Co, Forge & Fitting Div

C

CABINETS, INSTRUMENT

S Blickman, Inc
Falstrom Co
Laboratory Furniture Co
Edw Renneburg & Sons Co
Thermco Instrument Corp

CABINETS, LABORATORY

Fisher Scientific

S Blickman, Inc
Controlled Atmosphere Enclosures Mfg Co
Equipto
Falstrom Co
A E Halperin Co
Industrial Filter & Pump Mfg Co
Laboratory Furniture Co

CABINETS, SAFETY

S Blickman, Inc
Protectoseal Co
Controlled Atmosphere Enclosures Mfg Co

CABLES, HEATING

Cox & Co

CALANDRIAS

National Carbon Co Div

Allied Steel Products Corp
Camden Copper Works
Colonial Iron Works Co
Downingtown Iron Works
Goslin-Birmingham Mfg Co
Leader Iron Works
Nooter Corp
Patterson-Kelley Co
Ernest Scott & Co
Stearns-Roger Mfg Co
Vulcan Mfg
Western Supply Co

CALIBRATORS

American Instrument Co
Brooks Rotameter Co
Manning & Lewis Engrg
Wallace & Tiernan Inc

CALCINERS, LOW TEMPERATURE

Standard Steel Corp

Allied Steel Products Corp
Allis-Chalmers Mfg Co
American Gas Furnace Co
Davenport Mach & Foundry Co
Dorr-Oliver, Inc
General Transportation Corp
Hardinge Co
Leader Iron Works
Posey Iron Works
Edw Renneburg & Sons Co
Stearns Roger Mfg Co

CALORIMETERS

Fisher Scientific

Ellison Draft Gage Co
Parr Instrument Co

CAN FILLING MACHINES

Arthur Colton Co
Geuder, Paeschke & Frey Co
Girdler Process Equipment Div
C W Logeman Co
MRM Co
G Diehl Mateer Co
Pfaudler Co Div
Popper & Sons

CAN LABELING MACHINES

MRM Co
Kenneth J Moore & Co
Popper & Sons

CANS, ALUMINUM

►Continental Can Co, Metal Div

Anchor Engrg Co
Crown Cork & Seal Co

CANS, FIBER & METAL COMPOSITE

American Can Co
Anchor Engrg Co
Middlesex Paper Tube
R C Can Co

CANS, FIBER & PAPER

Anchor Engrg Co
Middlesex Paper Tube Co
R C Can Co

CANS, LEAD

►Continental Can Co, Paper Container Div

Anchor Engrg Co
Knapp Mills
O G Kelley & Co

CANS, PLASTIC

DuVerre, Inc

Anchor Engrg Co
Fluorulon Labs
Redmanson Corp

CANS, PRESSURE

American Can Co
Anchor Engrg Co
Crown Cork & Seal Co
O G Kelley & Co
Tube Manifold Corp

CANS, SAFETY

►Continental Can Co, Metal Div

Anchor Engrg Co
Protectoseal Co

CANS, SEAMLESS METAL

►Continental Can Co, Metal Div

Anchor Engrg Co
Crown Cork & Seal Co
Tube Manifold Corp

CANS, STEEL

►Continental Can Co, Metal Div

Anchor Engrg Co
Crown Cork & Seal Co
Protectoseal Co
Republic Steel Corp
Tube Manifold Corp
Vulcan Containers

CANS, TIN

►Continental Can Co, Metal Div
Sherwin-Williams Co

American Can Co
Anchor Engrg Co
Crown Cork & Seal Co
Vulcan Containers

CAPACITORS

Clayton Mark & Co
Corning Glass Works
General Radio Co
Leeds & Northrup Co
Scintilla Div

CAPPING MACHINERY

Anchor Hocking Glass Corp
Crown Cork & Seal Co
First Machy Corp
Consolidated Packaging Machy Corp
Popper & Sons

CAPS, BARREL & BASKET

American Flange & Mfg Co

Anchor Engrg Co

See company directory for addresses

►See catalog advertisement (Advertisers Index)

CAPS, BOTTLE
American Flange & Mfg Co

Aluminum Co of America
Anchor Engrg Co
Anchor Hocking Glass Corp
Armstrong Cork Co
Owens-Illinois Glass Co, Closure & Plastics Div
Continental Can Co, White Cap & Bond Crown Div
Crown Cork & Seal Co
United States Rubber Co

CAPS, BUBBLE
National Carbon Co Div

Ampco Metal
General Ceramics Corp
Kelley Mfg Co
Vulcan Mfg

CAPS, CAN
American Flange & Mfg Co

Anchor Engrg Co
Anchor Hocking Glass Corp
Continental Can Co, White Cap & Bond Crown Div

CAPS, PLASTIC

Anchor Hocking Glass
Armstrong Cork Co
Continental Can Co, Plastic Container Div
Fluorulon Labs
Owens-Illinois Glass Co, Closure & Plastics Div

CAPS & SEALS, BOTTLE & METAL
American Flange & Mfg Co

Anchor Engrg Co
Anchor Hocking Glass Corp
Armstrong Cork Co
Owens-Illinois Glass Co, Closure & Plastics Div
Crown Cork & Seal Co

CAPS & SEALS, MOLDED

Anchor Engrg Co
Anchor Hocking Glass Corp
Owens-Illinois Glass Co, Closure & Plastics Div

CAR LOADERS, PORTABLE

Barber-Greene Co
Baughman Mfg Co
J C Corrigan Co
Delta Tank Mfg Co
Flexoveyor Mfg Co
Link-Belt Co
Lippman Engrg Works
Myers Sherman Co
National Conveyors Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co

CAR SPOTTERS
Heyl & Patterson

Frang G Hough Co
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co
Whiting Corp

CARBON (RODS, BLOCKS, PASTE, ETC.)
National Carbon Co Div

Stackpole Carbon Co

CARBOY FILLING MACHINES

MRM Co

CARBOY TILTING FRAMES
Fisher Scientific

American Pulley Co
Economy Engrg Co
Industrial Products Co
Revolvator Co
West Bend Equipment Corp

CARBOYS, GLASS
Fisher Scientific
United Box & Lumber Co

American Sterilizer Co
Corning Glass Works
Treen Box Co

CARBOYS, PLASTIC
►**Aceto Chem Co**
Fisher Scientific
United Box & Lumber Co

Delaware Barrel & Drum Co
Hedwin Corp
Plax Corp
Treen Box Co

CARBOYS, STAINLESS STEEL
Pressed Steel Tank Co

Alloy Products Corp
American Sterilizer Co

CARS, FREIGHT

American Car & Foundry Div

CARTON HANDLING SYSTEMS

Alvey Conveyor Mfg Co
J C Corrigan Co
Flexoveyer Mfg Co
Island Equipment Corp
Speedways Conveyors

CARTON OPENING, LOADING, CLOSING MACHINES

FMC Packaging Machy Div
Triangle Package Machy Co

CARTONS, FOLDING

Continental Can Co, Boxboard & Folding Carton Div
Gaylord Container Corp Div
Hinde & Dauch Div

CARTRIDGE FILLING & SEALING MACHINES

Arthur Colton Co
MRM Co

CARTRIDGES, CAULKING

R C Can Co

CASTABLES, REFRACTORY
Johns-Manville

Babcock & Wilcox Co, Refractories Div
A P Green Fire Brick Co
Kaiser Chems Div
Mexico Refractories Co
Norton Co
Plibrico Co
Robinson Clay Product Co

CASTERS & WHEELS

American Pulley Co
Fairbanks Co
Hamilton Caster & Mfg
Rapids-Standard Co
Stewart-Warner Corp
Edw Renneburg & Sons Co
Paul O Young Co

CASTINGS, ALLOY
D J Murray Mfg Co

Advance Foundry Co
Aluminum Co of America
Ampco Metal
Bridgeport Brass Co
Cooper Alloy Corp
Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
International Nickel Co
Lebanon Steel Foundry
Michigan Standard Alloy Castings Co
Nordberg Mfg Co
T Shriver & Co
Wall Colmonoy Corp

CASTINGS, ALUMINUM
D J Murray Mfg Co

Aluminum Co of America
Morris Bean & Co
Bridgeport Brass & Co
Electric Auto-Lite Co
Harvey Aluminum
Hills-McCanna Co
Lebanon Steel Foundry
T Shriver & Co

CASTINGS, BRASS
D J Murray Mfg Co

Bridgeport Brass Co
Nordberg Mfg Co

CASTINGS, BRONZE

Ampco Metal
Bridgeport Brass Co
Flood City Brass & Elec
Nordberg Mfg Co

CASTINGS, CHROMIUM STEEL
►**Kennedy Van Saun Mfg & Engrg Corp**

American Cast Iron Pipe Co
Lebanon Steel Foundry
Crucible Steel Co of America

CASTINGS, HIGH ALLOY
►**Kennedy Van Saun Mfg & Engrg Corp**

Advance Foundry Co
American Cast Iron Pipe Co
Cooper Alloy Corp
Crucible Steel Co of America
Electric Steel Foundry Co
General Elec Co
Metallurgical Products Dept
Haynes Stellite Co Div
International Nickel Co
Lebanon Steel Foundry
Michigan Standard Alloy Casting Co
Wall Colmonoy Corp

CASTINGS, IRON
►**Kennedy Van Saun Mfg & Engrg Corp**
D J Murray Mfg Co

Advance Foundry Co
Alten Foundry & Mach Works
American Cast Iron Pipe Co
Babcock & Wilcox Co, Boiler Div
Bethlehem Steel Co
Chain Belt Co
Crucible Steel Co of America
Davenport Mach & Foundry Co
Electric Auto-Lite Co
Goslin-Birmingham Mfg Co
Kutztown Foundry & Mach Corp
Link-Belt Co
Murray Iron Works Co
National-US Radiator Corp
Nordberg Mfg Co
Posey Iron Works
Edw Renneburg & Sons Co
T Shriver & Co
Simpson Electric, Indiana Foundry
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co

CASTINGS, LEAD

D G Kelley & Co
Knapp Mills
Kutztown Foundry & Mach Corp
Lead Lined Iron Pipe Co
T Shriver & Co
Stearns-Roger Mfg Co

CASTINGS, MANGANESE STEEL
►**Kennedy Van Saun Mfg & Engrg Corp**

Babcock & Wilcox Co, Boiler Div
Crucible Steel Co of America
Electric Steel Foundry Co
Goslin-Birmingham Mfg Co
Pettibone Mulliken Corp
T Shriver & Co

CASTINGS, NICKEL

Alloy Flange & Fitting Corp
Crucible Steel Co of America
Electric Steel Foundry Co
International Nickel Co
Lebanon Steel Foundry
Michigan Standard Alloy Casting Co
T Shriver & Co

CASTINGS, NICKEL ALLOY
►**Kennedy Van Saun Mfg & Engrg Corp**

Alloy Flange & Fitting Corp
Babcock & Wilcox Co, Boiler Div
Crucible Steel Co of America
Electric Steel Foundry Co
Haynes Stellite Co
International Nickel Co
Kutztown Foundry & Mach Corp
Lebanon Steel Foundry
Michigan Standard Alloy Casting Co
Nordberg Mfg Co
T Shriver & Co
Sprout, Waldron & Co
Wall Colmonoy Corp

CASTINGS, SEMI-STEEL
►**Kennedy Van Saun Mfg & Engrg Corp**

Advance Foundry Co
Alco Products
Alten Foundry & Mach Works
Chain Belt Co
Hardinge Co
Crucible Steel Co of America
Davenport Mach & Foundry Co
Goslin-Birmingham Mfg Co
Kutztown Foundry & Mach Corp
Posey Iron Works
T Shriver & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co

CASTINGS, STAINLESS

Allegheny Ludlum Steel
Alloy Flange & Fitting Corp
American Cast Iron Pipe Co
Cooper Alloy Corp
Crucible Steel Co of America
Davenport Mach & Foundry Co
Electric Steel Foundry Co
Jessop Steel Co
Lebanon Steel Foundry
Michigan Standard Alloy Casting Co

CASTINGS, STEEL
►**Kennedy Van Saun Mfg & Engrg Corp**

American Cast Iron Pipe Co
Bethlehem Steel Co
Crucible Steel Co of America
Falk Corp
Goslin-Birmingham Mfg Co
Jessop Steel Co
Lebanon Steel Foundry
Posey Iron Works
T Shriver & Co

CATHETOMETERS
Fisher Scientific

Eberbach Corp

CELLS, ABSORPTION

American Instrument Co
Thermal American Fused Quartz

CELLS, CONDUCTIVITY
Fisher Scientific

American Instrument Co
Davenport Mach & Foundry Co
Fischer & Porter Co
Foxboro Co
Industrial Instruments
Leeds & Northrup Co
Scientific Glass Apparatus
Victory Engrg Corp

CELLS, ELECTROLYTIC
Standard Steel Corp

American Instrument Co
Automotive Rubber Co
Knapp Mills
Leader Iron Works
Scientific Glass Apparatus
T Shriver & Co

CELLS, FLOTATION

Denver Equipment Co
Galigher Co
Stearns-Roger Mfg Co

CELLS, PHOTOELECTRIC
Eastman Kodak Co

General Elec Co, Apparatus Sales Div
Kidde Ultrasonic & Detection Alarms

CELLS, SALT BRINE ELECTROLYSIS
Standard Steel Corp

Automotive Rubber Co
Leader Iron Works

►See catalog advertisement (Advertisers Index) See company directory for addresses

CEMENTS

Eastman Kodak Co
National Carbon Co Div
Baldwin-Hill Co
Central Scientific Co
Engelhard Industries
Norton Co
Nukem Products Corp
Permacel
Plastic Applicators
United States Rubber Co

CENTRIFUGES, AUTOMATIC

Heyl & Patterson
Baker Perkins
Bird Mach Co
DeLaval Separator Co
Dorr-Oliver, Inc
International Equipment
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div
Western States Mach Co

CENTRIFUGES, BASKET

Heyl & Patterson
Bird Mach Co
DeLaval Separator Co
First Machy Corp
International Equipment Co
Edw Renneburg & Sons Co
Sharples Corp
Tolhurst Centrifugals Div
Western States Mach Co

CENTRIFUGES, CLARIFYING

Heyl & Patterson
Beckman Instruments, Spinco Div
Bird Mach Co
DeLaval Separator Co
Dorr-Oliver, Inc
International Equipment
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div
Western States Mach Co

CENTRIFUGES, CONTINUOUS

Heyl & Patterson
Baker Perkins
Beckman Instruments, Spinco Div
Bird Mach Co
Condenser Service & Engrg Co
DeLaval Separator Co
Dorr-Oliver, Inc
International Equipment Co
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div
Western States Mach Co

CENTRIFUGES, DISK

DeLaval Separator Co
Dorr-Oliver, Inc
Pfaudler Co Div
Sharples Corp

CENTRIFUGES, HIGH-SPEED

Beckman Instruments, Spinco Div
DeLaval Separator Co
Dorr-Oliver, Inc
International Equipment Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Sharples Corp

CENTRIFUGES, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp
Beckman Instruments, Spinco Div
Bird Mach Co
Clay-Adams
DeLaval Separator Co
International Equipment Co
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div

CENTRIFUGES, MICROCHEMICAL

Fisher Scientific
Standard Scientific Supply Corp
Beckman Instruments, Spinco Div
Clay-Adams, Inc
De Laval Separator Co
International Equipment Co

CENTRIFUGES, PRESSURE

Bird Mach Co
DeLaval Separator Co
Dorr-Oliver, Inc
Pfaudler Co Div
Sharples Corp
Tolhurst Centrifugals Div

CENTRIFUGES, REFRIGERATED

Fisher Scientific
Standard Scientific Supply Corp
Baker Perkins
Beckman Instruments, Spinco Div
Bird Mach Co
De Laval Separator Co
International Equipment Co
Sharples Corp
Tolhurst Centrifugals Div

CENTRIFUGES, SELF-DISCHARGING

Heyl & Patterson
Standard Scientific Supply Corp
Bird Mach Co
DeLaval Separator Co
Dorr-Oliver, Inc
Pfaudler Co Div
Edw Renneburg & Sons Co
Sharples Corp
Tolhurst Centrifugals Div

CERAMIC MATERIALS

►Metal & Thermit Corp
Consolidated Electrodynamics Corp
Corning Glass Works
Eagle-Picher Co
General Ceramics Corp
Laboratory Equipment Corp
Lapp Insulator Co
Norton Co
Pfaudler Co Div
Plastic Applicators
Porcelain Div, Ferro Corp
Star Porcelain Co
United States Stoneware Co

CHAINS, ALLOY

Ampco Metal
Chain Belt Co
Jeffrey Mfg Co
Electric Steel Foundry Co
Haynes Stellite Co
Link-Belt Co
Michigan Standard Alloy Casting Co
Edw Renneburg & Sons Co

CHAINS, CONVEYOR

Chain Belt Co
Diamond Chain Co
Gifford-Wood Co
Great Western Mfg Co
Jeffrey Mfg Co
Link-Belt Co
Edw Renneburg & Sons Co
Standard Conveyors

CHAINS, POWER TRANSMISSION

Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Jeffrey Mfg Co
Link-Belt Co

CHAINS, ROLLER

Chain Belt Co
Diamond Chain Co
Dodge Mfg Corp
Great Western Mfg Co
Jeffrey Mfg Co
Link-Belt Co
Edw Renneburg & Sons Co

CHAINS, SILENT

Great Western Mfg Co
Link-Belt Co

CHARGERS, BATTERY

Exide Industrial Div
Fansteel Metallurgical Corp
General Elec Co, Apparatus Sales Div
Lincoln Elec Co
D W Onan & Sons
Syntron Co

CHEESECLOTH

Standard Wiping Materials

CHILLERS

Croll-Reynolds Co
►Henry Vogt Mach Co
Acme Industries
Alco Products
American Standard Industrial Div
Richard M Armstrong Co
Bell & Gossett Co
Condenser Service & Engrg
Goslin-Birmingham Mfg Co
National-US Radiator Corp
Patterson-Kelley Co
Tri-Homo Corp
York Corp

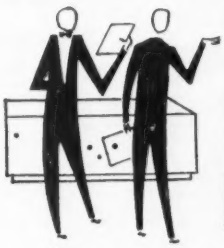


. . . with automatic operating cycles, G-forces up to 2000, are used for dewatering and washing of solids, and for the separation and clarification of slurries. Built with bowl capacities from .4 to 43.3 cu. ft. and screen areas from 2.6 to 65.0 sq. ft. Also built as continuous vertical basket screen type machines, with capacities up to 10 tons per hour.

Write for Brochure RC-356.

Heyl & Patterson INC.
55 FORT PITT BLVD. • PITTSBURGH 22, PA

How to





lower Processing Costs

Send for this free Vogt Catalog and learn how patented Vogt Scraped Surface Exchangers can lend effective help in lowering processing costs.

Described and illustrated are two basic types of scraped surface equipment; the Double Pipe Type and the Shell and Pipe Type. They serve as oil chillers, crystallizers and heaters in many processes in the petroleum refining and chemical industries. Write Dept. 24A-RICW for bulletin PE-1.

HENRY VOGT MACHINE CO.
P.O. Box 1918 • Louisville 1, Kentucky

See company directory for addresses
►See catalog advertisement (Advertisers Index)

CHILLING ROLLS

Allied Steel Products Corp
Buflovak Equipment Div
Goslin-Birmingham Mfg Co
Proctor & Schwartz
Edw Renneburg & Sons Co

CHIPPERS, WAX

Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son

CHLORINATING EQUIPMENT

Buflovak Equipment Div

BIF Industries
Buflovak Equipment Div
Clark-Cooper Co
Elgin Softener Corp
Everpure, Inc
Fischer & Porter Co
Graver Water Conditioning
Infilco, Inc
Lapp Insulator Co
Permutit Co
Sturtevant Mills
Wallace & Tiernan Inc
Whitlock Mfg Co

CHLORINE CONTROL APPARATUS

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Fischer & Porter Co
General Ceramics Corp
Harold Kruger Instruments
Lapp Insulator Co
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Controlled Atmosphere Enclosures Mfg Co
American Instrument Co
Fischer & Porter Co

CIRCUIT BREAKERS

Allis-Chalmers Mfg Co
I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div

CLAMPS, FLASK

Fisher Scientific

CLAMPS, HOSE

Fisher Scientific

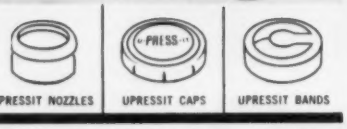
Builders-Providence Div
Gates Rubber Co, Hose Accessories Div
Marman Div
Reed Roller Bit Co, Terriss Div

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DeLaval Separator Co
Sharples Corp
T Shriver & Co

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New – a tamperproof band, easy-on, easy-off can closure proven especially effective on products with high-leakage tendency. Made by American Flange.

Check these exclusive advantages: Leakproof sealing – **without an inner seal.** Can't become clogged! Won't stick or jam! Visible **proof of full measure!**

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Tri-Sure S/A Indústria e Comércio, Sao Bernardo Do Campo, Estado de Sao Paulo, Brazil
American Flange & Manufacturing Co. Inc., Villawood, New South Wales, Australia
Compañia Mexicana Tri-Sure S/A, Naucalpan, Estado de Mexico, Mexico

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American Well Works
Bird Mach Co
DeLaval Separator Co
Denver Equipment Co
Dorr-Oliver, Inc
Graver Water Conditioning Co
Hardinge Co
Infilco, Inc
Jeffrey Mfg Co
Link-Belt Co
Permutit Co
Pfaudler Co Div
Sharples Corp
T Shriver & Co
Yeomans Bros Co

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Johns-Manville

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Dorr-Oliver, Inc
T Shriver & Co
Graver Water Conditioning
Terriss Div

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Dorr-Oliver, Inc
Hardinge Co
Jeffrey Mfg Co
Link-Belt Co
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Chem-Pure Service Co
Cochrane Corp
Dorr-Oliver, Inc
Elgin Softener Corp
Graver Water Conditioning Co
Hardinge Co
Infilco, Inc
Los Angeles Water Softener Co
Link-Belt Co
Ogden Filter Co, Inc
Permutit Co
T Shriver & Co
Star Tank & Filter Corp
Terriss Div

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►Kennedy Van Saun Mfg & Engrg Corp

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Combustion Engrg
Denver Equipment Co
Dorr-Oliver, Inc
Hardinge Co
Link-Belt Co
Lippman Engrg Works
Majac, Inc
Sharples Corp
Orville Simpson Co
Sturtevant Mill Co
Sutton, Steele & Steele, Inc

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Combustion Engrg
Denver Equipment Co
Hardinge Co
Sharples Corp
Sutton, Steele & Steele, Inc

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D J Murray Mfg Co

Cambridge Filter Corp
Controlled Atmosphere Enclosures Mfg Co
Day Co
Electro-air Cleaner Co
Elliot Co, Roto Div
Johnson Corp
Joy Mfg Co
S P Kinney Engrs Inc
MRM Co
Oxy-Catalyst
Selas Corp of America
Van Products Co
Wheelabrator Corp
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Cambridge Filter Corp
Controlled Atmosphere Enclosures Mfg Co
S P Kinney Engrs Inc
Edw Renneburg & Sons Co
Research-Cottrell
Selas Corp of America
Stearns-Roger Mfg Co
Western Precipitation Corp

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S P Kinney Engrs Inc
National Ultrasonic Corp
Nu Steel Co
Simpson Electric, Size Control
Wheelabrator Corp

CLEANERS, PIPE

Airetool Mfg Co
Dowell Div
Wheelabrator Corp
Thomas C Wilson

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Airetool Mfg Co
John Bean Div
Clayton Mfg Co

CLEANERS, TUBE

Airetool Mfg Co
Condenser Service & Engrg Co
Dowell Div
Elliott Co
Elliott Co, Roto Div
Thomas C Wilson

CLEANERS, VACUUM

Spencer Turbine Co

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Anchor Engrg Co
Anchor Hocking Glass
Continental Can Co, White Cap & Bond Crown Div
Crown Cork & Seal Co
Owens-Illinois Glass Co, Closure & Plastics Div

CLOSURES, CAN & PAIL

American Flange & Mfg Co

CLOTH, ACID & ALKALI RESISTING

Brosites Products Corp
National Filter Media Corp
D R Sperry & Co

Filtration Fabrics Div
Flexi-Liner Co
Newark Wire Cloth Co
T Shriver & Co
M L Snyder & Son
United States Rubber Co
Wellington Sears Co
Woolrich Woolen Mills
Worklon, Inc

CLOTH, ASBESTOS

Johns-Manville

Philip Carey Mfg Co
Chicago Gasket Co
Filtration Fabrics Div
Raybestos-Manhattan
United States Rubber Co

CLOTH, BOLTING

National Filter Media Corp

Paul O Abbe
Filtration Fabrics Div
Great Western Mfg Co
Unique Wire-Weaving Co
W S Tyler Co

CLOTH, GLASS

Brosites Products Corp
Johns-Manville
National Filter Media Corp

Filtration Fabrics Div

CLOTH, HEAT-RESISTANT

Johns-Manville
National Filter Media Corp

Filtration Fabrics Div
Hoosier Tarpaulin & Canvas Goods Co
C M Kemp Mfg Co
Raybestos-Manhattan
Wellington Sears Co
Woolrich Woolen Mills

CLOTH, MILDEW PROOF

National Filter Media Corp

Filtration Fabrics Div
Hoosier Tarpaulin & Canvas Goods Co
T Shriver & Co
Wellington Sears Co

CLOTH, SARAN WOVEN

Brosites Products Corp
National Filter Media Corp

Filtration Fabrics Div
Metal Textile Corp
Textile Products

CLOTH, SYNTHETIC FIBER

Brosites Products Corp
National Filter Media Corp
D R Sperry & Co

Connecticut Hard Rubber Co
Filtration Fabrics Div
T Shriver & Co
Textile Products
United States Rubber Co
Wellington Sears Co

CLOTH, WATERPROOF

Reliance Plastic & Chem Corp
Textile Products
United States Rubber Co
Wellington Sears Co

CLOTH, WIPING

Standard Wiping Materials
Textile Products
Wellington Sears Co

CLOTH, WIRE

D R Sperry & Co

J Bishop & Co Platinum Works
Bridgeport Brass Co
Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Ludlow-Saylor Wire Cloth Co
Michigan Wire Cloth Co
Newark Wire Cloth Co
Southwestern Engrg Co
Strong-Scott Mfg Co
W S Tyler Co
Unique Wire-Weaving Co
Wickwire Spencer Steel Div

CLOTHING, ACID-PROOF

American Optical Co
M L Snyder & Son
United States Rubber Co
Woolrich Woolen Mills
Worklon, Inc

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Johns-Manville

Cambridge Wire Cloth
M L Snyder & Son
United States Rubber Co
Woolrich Woolen Mills

CLUTCHES, AIR

Cambridge Wire Cloth
Dodge Mfg Corp
Twin Disc Clutch Co

CLUTCHES, ELECTROMAGNETIC

Beckman Instruments, Helipot Div
Electric Machy Mfg Co
Cutler-Hammer, Inc
I-T-E Circuit Breaker Co
Twin Disc Clutch Co

CLUTCHES, FRICTION

Cutler-Hammer
Dodge Mfg Corp
Hilliard Corp
Jeffrey Mfg Co
Link-Belt Co
Edw Renneburg & Sons Co
Twin Disc Clutch Co
Zero-Max Co

CLUTCHES, HYDRAULIC

Hilliard Corp
Twin Disc Clutch Co

CLUTCHES, JAW

Chain Belt Co
Hilliard Corp
Jeffrey Mfg Co
Link-Belt Co
Stephens-Adamson Mfg Co

CLUTCHES, PULLEY

Dodge Mfg Co
Hilliard Corp
Jeffrey Mfg Co
Link-Belt Co
Edw Renneburg & Sons Co

COAL HANDLING EQUIPMENT

Heyl & Patterson
►Kennedy Van Saun Mfg & Engrg Corp

Barber-Greene Co
Chain Belt Co
Gifford-Wood Co
Frank G Hough Co
Jeffrey Mfg Co
Joy Mfg Co
Link-Belt Co
Manufactures Equipment
Lippman Engrg Works
Materials Handling Equipment Co
Stephens-Adamson Mfg Co
Stearns Magnetic Products
Syntron Co

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►Metal & Thermit Corp
Union Carbide Corp, Silicones Div

Amercoat Corp
American Hard Rubber Co Div
Automotive Rubber Co
Bishopric Products Co
Carboline Co
Chase Chem Corp
Consolidated Electrodynamics
Delaware Barrel & Drum Co
Detrex Chem Industries
Eagle Picher Co
Earl Paint Corp
Flexi-Liner Co
Gates Engrg Co
General American Transportation Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Hell Process Equipment Corp
Inertol Co
Knapp Mills
Maurice A Knight Co
Norton Co
Nukem Products Corp
Permacel
Plastic Applicators
Polymer Corp
Prufcoat Labs
Schori Process Div
Speco, Inc
United States Rubber Co
United States Stoneware Co
Wilbur & Williams Co
Wisconsin Protective Coating Co

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►Allied Chem Corp, Semet Solvay Engrg Div
National Carbon Co Div
Niagara Blower Co
►Henry Vogt Mach Co

Acme Industries
Alco Products
Allied Steel Products Corp
American Standard Industrial Div
Ampco Metal
Bridgeport Brass Co
Brown Fintube Co
Camden Copper Works
R D Cole Mfg Co
Corning Glass Works
Dean Products Inc
Downingtown Iron Works
Engelhard Industries
Fansteel Metallurgical Corp
Frick Co
General Ceramics Corp
Griscom-Russell Co
Heatron, Inc
Hell Process Equipment Corp
O G Kelley & Co
Knapp Mills
Lead Lined Iron Pipe Co
Parker Fittings & Hose Div
Plastic Applicators
Platecoil Div
Process Engrg
Edw Renneburg & Sons Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Trane Co
Vilter Mfg Co
Westinghouse Elec Corp
Whitlock Mfg Co
York Corp
Young Radiator Co

COILS, HEATING

D J Murray Mfg Co
National Carbon Co Div
Niagara Blower Co

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American Standard Industrial Div
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Brown Fintube Co
Dean Products Inc
Downingtown Iron Works
Fansteel Metallurgical Corp
General Ceramics Corp
Griscom-Russell Co
Heatron, Inc
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O G Kelley & Co
Knapp Mills
Lead Lined Iron Pipe Co
Manning & Lewis Engrg Co
Platecoil Div
Edw Renneburg & Sons Co
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Stearns-Roger Mfg Co
Trane Co
Western States Mach Co.
Westinghouse Elec Corp
Whitlock Mfg Co
York Corp
Young Radiator Co

COLLARS, SHAFT

Chain Belt Co
Edw Renneburg & Sons Co
Dodge Mfg Corp
Jeffrey Mfg Co
Link-Belt Co

COLLECTORS, FUME

Croll-Reynolds Co

Allied Steel Products Corp
Fly Ash Arrestor Corp
Heil Process Equipment Corp
Joy Mfg Co
Kirk & Blum Mfg Co
Maurice A Knight Co
National Dust Collector Corp
Oxy-Catalyst
Pangborn Corp
Research-Cottrell
Wheelabrator Corp
Western Precipitation Corp

COLLECTORS, MULTI-WASH

Ducon Co
Fly Ash Arrestor Corp
National Dust Collector Corp

COLLECTORS, SLUDGE

Allied Steel Products Corp
American Well Works
Jeffrey Mfg Co
Link-Belt Co
National-US Radiator Corp
Yeomans Bros Co

COLLECTORS, WET

Automotive Rubber Co
Barber-Greene Co
Ducon Co
Fly Ash Arrestor Corp
Joy Mfg Co
National Dust Collector Corp
Pangborn Corp
Research-Cottrell
Claude B Schneible Co
Western Precipitation Corp
Wheelabrator Corp

COLORIMETERS

Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Bausch & Lomb Optical Co
Beckman Instruments, Scientific & Process Instruments Divs
Coleman Instruments
Foxboro Co
Gardner Lab
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Laboratory Equipment Corp
Milton Roy Corp
Wallace & Tiernan Inc
W A Taylor & Co

COLUMNS, ABSORPTION

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Mixing Equipment Co
National Carbon Co Div
Standard Steel Corp

Alco Products, Inc
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Artisan Metal Products
Boardman Co
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Controlled Atmospheres Enclosures Mfg Co
Corning Glass Works
Delta Tank Mfg Co
Falls Industries
General Ceramics Corp
Glass Engrg Labs
Graver Tank & Mfg Co
O G Kelley & Co
Maurice A Knight Co
Laboratory Equipment Corp
Lapp Insulator Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Claude B Schneible Co
Scientific Glass Apparatus Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc
York Corp

COLUMNS, BUBBLE CAP

National Carbon Co Div
Standard Steel Corp

Air Products, Inc; Process Equip Div
Alco Products, Inc
Allied Steel Products Corp
Artisan Metal Products
Boardman Co
Camden Copper Works
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Corning Glass Works
Delta Tank Mfg Co
Falls Industries
General Ceramics Corp
Graver Tank & Mfg Co
O G Kelley & Co
Knapp Mills
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Pfaudler Co Div
Scientific Glass Apparatus Co
Southwestern Engrg Co
Star Tank & Filter Corp
Struthers Wells Corp
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

COLUMNS, CONTINUOUS CONTACT

Mixing Equipment Co

Alco Products, Inc
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Artisan Metal Products
Boardman Co
Colonial Iron Works Co
Delta Tank Mfg Co
General Ceramics Corp
Graver Tank & Mfg Co
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
A D Smith Corp
Star Tank & Filter Corp
Vulcan Mfg
Wyatt Boiler & Metal Works, Inc

COLUMNS, DISTILLING, FRACTIONATING, ETC.

►Allied Chem Corp, Semet-Solvay Engrg Div
Fisher Scientific
National Carbon Co Div
Standard Steel Corp

Air Products, Inc; Process Equipment Div
Alco Products, Inc
Allied Steel Products Corp
Amoco Metal
Artisan Metal Products
Boardman Co
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Corning Glass Works
Delta Tank Mfg Co
Falls Industries
Foster Wheeler Corp
General Ceramics Corp
Glass Engrg Labs
Graver Tank & Mfg Co
O G Kelley & Co
M W Kellogg Co
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works Inc
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Posey Iron Works
Scientific Glass Apparatus Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

COLUMNS, EXTRACTION

Mixing Equipment Co
National Carbon Co Div

Alco Products, Inc
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Artisan Metal Products
Boardman Co
Buflovak Equipment Div
Camden Copper Works
Colonial Iron Works
Continental Boiler & Sheet Iron Works
Corning Glass Works
Delta Tank Mfg Co
General Ceramics Corp
Graver Tank & Mfg Co
O G Kelley & Co
Knapp Mills
Lapp Insulator Co
Leader Iron Works
McGregor-Michigan Corp
Nooter Corp
Pfaudler Co Div
Scientific Glass Apparatus Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

COLUMNS, PACKED

Alco Products, Inc
Allied Steel Products Corp
Artisan Metal Products
Automotive Rubber Co
Barber-Colman Co
Boardman Co
Camden Copper Works
Colonial Iron Works Co
Corning Glass Works
Delta Tank Mfg Co
General Ceramics Corp
Glass Engrg Labs
Graver Tank & Mfg Co
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Scientific Glass Apparatus Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

COMBUSTION CONTROL SYSTEMS

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Bristol Co
Copes-Vulcan Div
Eclipse Fuel Engrg Co
Foster Wheeler Corp
Hays Corp
Leeds & Northrup Co
Mine Safety Appliances
Oxy-Catalyst, Inc
Edw Renneburg & Sons Co
Republic Flow Meters Co
Selas Corp of America
Swartwout Co

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Barber-Colman Co
Bristol Co
A W Cash Co
Eclipse Fuel Engrg
Ellison Draft Gage Co
General Elec Co, Apparatus Sales Div
Hays Corp
Laboratory Equipment Corp
Leeds & Northrup Co
Mine Safety Appliances
Edw Renneburg & Sons Co
Republic Flow Meters Co
Selas Corp of America
Thermo Instrument Corp

Nooter Corp
Pfaudler Co Div
Scientific Glass Apparatus Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

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COMPARATORS

Eastman Kodak Co

American Instrument Co
Bausch & Lomb Optical
Simpson Electric, Size Control
W A Taylor & Co
Wallace & Tiernan Inc

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Brown Boveri Corp
Chicago Pneumatic Tool Co
Cooper-Bessemer Corp
Fairbanks, Morse & Co
Gardner-Denver Co
Gray Co
Ingersoll-Rand Co
Johnson Service Co
Joy Mfg Co
Kahn & Co
Walter Kidde & Co
Le Roi Div
Nash Engrg Co
Norwalk Co
Pennsylvania Pump & Compressor Co
Quincy Compressor Co
Scaife Co
Schramm, Inc
Schutte & Koerting Co
Simpson Electric, Champion Pneumatic Machy Co
Worthington Corp
Yeomans Bros Co
York Corp

COMPRESSORS, AMMONIA

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American Instrument Co
Brown Boveri Corp
Chicago Pneumatic Tool Co
Cooper-Bessemer Corp
Frick Co
Ingersoll-Rand Co
Pennsylvania Pump & Compressor Co
Simpson Electric, Champion Pneumatic Machy
Vilter Mfg Co
Worthington Corp
Yeomans Bros Co
York Corp

COMPRESSORS, AXIAL

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Ingersoll-Rand Co
Joy Mfg Co
Simpson Electric, Champion Pneumatic Machy
Westinghouse Elec Corp
Worthington Corp

COMPRESSORS, CENTRIFUGAL

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American Standard Industrial Div
Brown Boveri Corp
Cooper-Bessemer Corp
Elliott Co
Ingersoll-Rand Co
Joy Mfg Co
Simpson Electric, Champion Pneumatic Machy
Spencer Turbine Co
Trane Co
Westinghouse Elec Corp
Worthington Corp
York Corp

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American Instrument Co
American Standard Industrial Div
Beach-Russ Co
Brown Boveri Corp
Chicago Pneumatic Tool Co
Cooper-Bessemer Corp
Elliott Co
General Ceramics Corp
Ingersoll-Rand Co
Joy Mfg Co
Lapp Insulator Co
Nash Engrg Co
Norwalk Co
Pennsylvania Pump & Compressor Co
Schutte & Koerting Co
Spencer Turbine Co
Worthington Corp
Yeomans Bros Co
York Corp

COMPRESSORS, ISOTHERM

Brown Boveri Corp
Roots-Connersville Blower Div
Simpson Electric, Champion Pneumatic Machy Co

COMPRESSORS, OIL-FREE

American Instrument Co
Bell & Gossett Co
Brown Boveri Corp
Chicago Pneumatic Tool Co
Elliott Co
Fairbanks, Morse & Co
Gardner-Denver Co
Ingersoll-Rand Co
Joy Mfg Co
Lapp Insulator Co
Nash Engrg Co
Norwalk Co
Pennsylvania Pump & Compressor Co
Whittington Pump & Engrg Corp
Worthington Corp

COMPRESSORS, PORTABLE

Allis-Chalmers Mfg Co
Beach-Russ Co
Chicago Pneumatic Tool Co
Ingersoll-Rand Co
Joy Mfg Co
Kahn & Co
Walter Kidde & Co
Le Roi Div
Quincy Compressor Co
Scaife Co
Schramm, Inc
Simpson Electric, Champion Pneumatic Machy Co
Worthington Corp

COMPRESSORS, ROTARY

►**Fuller Co**

Allis-Chalmers Mfg Co
Beach-Russ Co
Chicago Pneumatic Tool Co
Clark-Cooper Co
Fairbanks, Morse & Co
General Ceramics Corp
Ingersoll-Rand Co
Joy Mfg Co
Le Roi Div
Nash Engrg Co
Simpson Electric, Champion Pneumatic Machy Co
Yeomans Bros Co
York Corp

COMPUTERS, ANALOG

Beckman Instruments, Berkeley Div
Beckman Instruments, Systems Div
Bristol Co
Fischer & Porter Co
General Elec, Apparatus Sales Div
Swartwout Co

COMPUTERS, DIGITAL

IBM, Data Processing Div
Thompson-Ramo-Wooldridge Products Co

CONCENTRATORS, ACID

National Carbon Co Div

Buflovak Equipment Div
Falls Industries
Fansteel Metallurgical Corp
Rodney Hunt Mach Co
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
Nooter Corp
Posey Iron Works
Stearns-Roger Mfg Co
Submerged Combustion
Thermal Research & Engrg Corp

CONCENTRATORS, SLUDGE

Buflovak Equipment Div
Clarage Fan Co
De Laval Separator Co
Denver Equipment Co
Graver Water Conditioning Co
Konto Co
Rodney Hunt Mach Co
Nooter Corp
Posey Iron Works
T Shriver & Co
Thermal Research & Engrg Corp
Yeomans Bros Co

CONDENSATE RETURN SYSTEMS, HIGH PRESSURE

Allied Steel Products Corp
Aurora Pump Div
Cochrane Corp
Leader Iron Works Inc
Patterson-Kelley Co

CONDENSERS, BAROMETRIC

Croll-Reynolds Co

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Condenser Service & Engrg Co
Downingtown Iron Works
Elliott Co
Foster Wheeler Corp
Goslin-Birmingham Mfg Co
Graham Mfg Co
Leader Iron Works Inc
Manning & Lewis Engrs Co
McGregor-Michigan Corp
Nooter Corp
Patterson-Kelley Co
Posey Iron Works
Schutte & Koerting Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Vulcan Mfg
C H Wheeler Mfg Co
Whiting Corp

CONDENSERS, COIL

Allied Steel Products Corp
Artisan Metal Products
Camden Copper Works
Corning Glass Works
Dean Products Inc
Fansteel Metallurgical Corp
General Ceramics Corp
Heatron, Inc
O G Kelley & Co
Knapp Mills
Leader Iron Works Inc
Manning & Lewis Engrg Co
Marlo Coil Co
McGregor-Michigan Corp
Star Tank Filter Corp
Scientific Glass Apparatus Co
Trane Co
Vulcan Mfg
Whitlock Mfg Co
York Corp
Young Radiator Co

CONDENSERS, FRACTIONAL

Alco Products
Allied Steel Products Corp
American Heat Reclaiming Corp
Richard M Armstrong Co
Artisan Metal Products
Camden Copper Works
Condenser Service & Engrg Co
Downingtown Iron Works
Fansteel Metallurgical Corp
Leader Iron Works
Nooter Corp
Pfaudler Co Div
A O Smith Corp
Star Tank & Filter Corp
Trane Co
Vulcan Mfg
Whitlock Mfg Co

CONDENSERS, NITRIC ACID

Alco Products
Allied Steel Products Corp
American Heat Reclaiming Corp
Camden Copper Work
Condenser Service & Engrg Co
Downingtown Iron Works
Fansteel Metallurgical Corp
Maurice A Knight Co
Leader Iron Works
Nooter Corp
Pfaudler Co Div
A O Smith Corp
Southwestern Engrg Co
Struthers Wells Corp
Trane Co
Vulcan Mfg
Whitlock Mfg Co
Young Radiator Co

CONDENSERS, REFLUX

Fisher Scientific
National Carbon Co Div

Alco Products
Allied Steel Products Corp
American Heat Reclaiming Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Carbone Corp
Condenser Service & Engrg Co
Corning Glass Works
Falls Industries
Fansteel Metallurgical Corp
Graham Mfg Co
Griscom-Russell Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Patterson-Kelley Co
Star Tank Filter Corp.
Scientific Glass Apparatus Co
Southwestern Engrg Co
Trane Co
Vulcan Mfg
Whitlock Mfg Co

►See catalog advertisement (Advertisers Index)
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Looking for

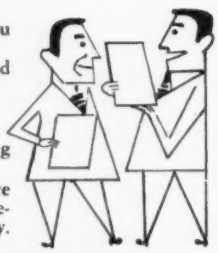
important savings

in refrigeration costs?

Consider These Factors When You Are Buying Condensers:

- Maximum capacity in limited installation space.
- Limited, expensive water supply.
- Scale forming or silt carrying water supply.

Remember, refrigeration costs are importantly affected by the refrigeration condensers you specify.



Write Dept. 24A-RICW for Bulletin No. R.C. 2

HENRY VOGT MACHINE CO.
P. O. Box 1918
Louisville 1, Ky.



CONDENSERS, REFRIGERANT

Niagara Blower Co
►Henry Vogt Mach Co

Acme Industries
Alco Products
Allied Steel Products Corp
Richard M Armstrong Co
Bell & Gossett Co
Camden Copper Works
Condenser Service & Engrg
Dean Products Inc
Downingtown Iron Works
Frick Co
General Motors Corp, Frigidaire Div
Heatron, Inc
Leader Iron Works Inc
Marlo Coil Co
Manning & Lewis Engrg Co
Marley Co
Nooter Corp
Patterson-Kelley Co
Trane Co
Tube Manifold Corp
York Corp

CONDENSERS, STEAM

Croll-Reynolds Co

Alco Products, Inc
Allis-Chalmers Mfg Co
American Standard Industrial Div
Buflovak Equipment Div
Condenser Service & Engrg Co
Corning Glass Works
Croll Reynolds Engrg Co
Dean Products Inc
Downingtown Iron Works
Elliott Co
Foster Wheeler Corp
Graham Mfg Co
Griscom-Russell Co
Heatron, Inc
Ingersoll-Rand Co
M W Kellogg Co
Leader Iron Works
Manning & Lewis Engrg Co
National US Radiator Corp
Nooter Corp
Patterson-Kelley Co
Schutte & Koerting Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Trane Co
Vulcan Mfg
C H Wheeler Mfg Co
Whitlock Mfg Co
Young Radiator Co

CONDENSERS, SURFACE

Alco Products, Inc
Allis-Chalmers Mfg Co
American Standard Industrial Div
Amercian Heat Reclaiming Corp
Richard M Armstrong Co
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
J P Devine Mfg Co
Downingtown Iron Works
Elliott Co
Foster Wheeler Corp
Graham Mfg Co
Goslin-Birmingham Mfg Co
Ingersoll-Rand Co
Leader Iron Works
National US Radiator Corp
Nooter Corp
Schutte & Koerting Co
Ernest Scott & Co
Southwestern Engrg Co
Star Tank & Filter Corp
Vulcan Mfg
C H Wheeler Mfg Co
Whiting Corp

CONDENSERS, TUBULAR

►Allied Chem Corp, Semet-Solvay Engrg Div
►Henry Vogt Mach Co

Alco Products, Inc
Allied Steel Products Corp
Amco Metal
Richard M Armstrong Co
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
R D Cole Mfg Co
Colonial Iron Works Co
Condenser Service & Engrg Co
Continental Boiler & Iron Works
Corning Glass Works
Croll Reynolds Engrg Co
Downingtown Iron Works
Falls Industries
Fansteel Metallurgical Corp
First Machy Corp
Graham Mfg Co
Griscom-Russell Co
Heatron Inc
Henszey Co
M W Kellogg Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Patterson-Kelley Co
Schutte & Koerting Co
Ernest Scott & Co
Southwestern Engrg Co
Star Tank & Filter Corp
Struthers Wells Corp
Vulcan Mfg
Western Supply Co
Whiting Corp
Whitlock Mfg Co
Young Radiator Co

CONDENSERS, VAPOR

►Allied Chem Corp, Semet-Solvay Engrg Div
Croll-Reynolds Co
Niagara Blower Co

Alco Products
Allis-Chalmers Mfg Co
American Heat Reclaiming Corp
Richard M Armstrong Co
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Carbone Corp
Condenser Service & Engrg Co
Corning Glass Works
Croll Reynolds Engrg Co
J P Devine Mfg Co
Downingtown Iron Works
Fansteel Metallurgical Corp
Graham Mfg Co
Griscom-Russell Co
Heatron, Inc
Leader Iron Works
Manitowoc Shipbuilding, Chem Engr Service Div
Manning & Lewis Engrg Co
McGregor-Michigan Corp
N R C Equipment Corp
Nooter Corp
Patterson-Kelley Co
Schutte & Koerting Co
Ernest Scott & Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Whiting Corp
Whitlock Mfg Co
Young Radiator Co

CONDUCTIVITY EQUIPMENT, ELECTROLYTIC

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Baroid ,Div, National Lead Co
Bristol Co
Henszey Co
Industrial Instruments
Knapp Mills
Laboratory Equipment Corp

CONDUCTORS, BUS

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Bridgeport Brass Co
Chase Brass & Copper Co
Harvey Aluminum
I-T-E Circuit Breaker Co
Kelley Mfg Co

CONDUIT, ELECTRICAL

Johns-Manville

American Brass Co
Anaconda Metal Hose Div
A M Byers Co
Clayton Mark & Co
Flexaust Co
Republic Steel Corp, Steel & Tube Div

CONDUIT, ELECTRICAL, CORROSION-RESISTING

Johns-Manville

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Anaconda Metal Hose Div
Bridgeport Brass Co
A M Byers Co
Chase Brass & Copper Co
Clayton Mark & Co
Luzerne Rubber Co
B F Goodrich Industrial Products Co, Plastics
Plastic Applicators
Republic Steel Corp, Steel & Tube Div

CONNECTORS, ELECTRICAL

Blaco Mfg Co
Consolidated Electrodynamics
General Radio Co
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Kelley Mfg Co
Killark Elec Mfg Co
Marathon Elec Mfg Corp
Scintilla Div
Serwell Products Co
Superior Elec Co

CONNECTORS, FLEXIBLE, HOSE

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Alemite Div
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Anaconda Metal Hose Div
Anchor Coupling Co
Flexonics Corp
B F Goodrich Industrial Prod, Plastics, Rubber
Gray Co
Imperial Brass Mfg Co
LaFavorite Rubber Mfg Co
Resistaflex Corp
United States Rubber Co
Zallea Bros

CONNECTORS, THERMOCOUPLE

Illinois Testing Labs
Pyrometer Instrument Co
Scintilla Div
E C Smith Mfg Co

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Buflovak Equipment Div
Engelhard Industries
Maurice A Knight Co
Packed Column Corp

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►Continental Car Co, Metal Div
►Tote System

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Anchor Engrg Co
RD Cole Mfg Co
Crown Cork & Seal Co
Falstrom Co
Kelley Mfg Co
Stearns-Roger Mfg Co

CONTAINERS, GLASS

Anchor Engrg Co
Anchor Hocking Glass Corp
Armstrong Cork Co
Continental Can Co, Hazet-Atlas Glass Div
Corning Glass Works
Protectoseal Co

CONTAINERS, METAL

►Continental Car Co, Metal Div
Pressed Steel Tank Co
Sherwin-Williams Co
►Tote System
►U S Steel Products Div

Alco Products
Anchor Engrg Co
Butler Mfg Co
R D Cole Mfg Co
Crown Cork & Seal Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Dravo Corp
Falstrom Co
General Metals Inc
Harvey Aluminum
Inland Steel Container
Walter Kidde Co
Kirk & Blum Mfg Co
Knapp Mills
Modern Welding Co
Owens-Illinois Glass Co, Glass Container Div
Pfaudler Co Div
Protectoseal Co
Rheem Mfg Co, Container Div
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Terriss Div
Tube Manifold Corp
Union Steel Chest Corp
Vulcan Containers

CONTAINERS, PAPER

Union Bag-Camp Paper Corp

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Chase Bag Co
Continental Can Co, Paper Container Div
Cromwell Paper Co
Gaylord Container Corp
International Paper Co
Middlesex Paper Tube Co
R C Can Co
St Regis Paper Co

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Chase Bag Co
Continental Can Co, Flexible Packaging Div
Continental Can Co, Plastic Container Div
Delaware Barrel & Drum Co
Hedwin Corp
Imco Container Corp
Par-pak Co
Pelamay Products
Plax Corp
Protective Lining Corp
Redmanson Corp

CONTAINERS, RUBBER

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Goshen Rubber Co
Plastic Applicators
La Favorite Rubber Mfg Co
Luzerne Rubber Co
United States Rubber Co

CONTAINERS, STAINLESS STEEL

Pressed Steel Tank Co
►Tote System
►U S Steel Products Div

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Alloy Products Corp
Anchor Engrg Co
R D Cole Mfg Co
Crown Cork & Seal Co
Delta Tank Mfg Co
Inland Steel Container Co
Kelley Mfg Co
O G Kelley & Co
Kirk & Blum Mfg Co
Pfaudler Co Div
Protectoseal Co
Edw Renneburg & Sons Co
Rheem Mfg Co, Container Div
Stainless Products, Inc
Stanwood Corp
Stearns-Roger Mfg Co
Terriss Div

CONTAINERS, WIRE-BOUND

Crosby Forest Products Co
Great Southern Wire Bound Box Co
Indianapolis Wire Bound Box Co
Jones Box & Mill Div
David M Lea & Co
Main Bros Box & Lumber Co
Rathbone, Hair & Ridgway Box Co
Western Wirebound Box Co

STAINLESS STEEL ACID CONTAINERS



Hackney lightweight, stainless steel acid containers stack safely, save space and time. Convenient one-man handling and pouring. For nitric or phosphoric acid, pharmaceuticals and special chemicals. Low tare weight. Sturdy construction. Capacity: 15½ gallons.

TIGHT HEAD DRUMS

Stainless Steel or Nickel

Hackney stainless steel or nickel tight head 55-gallon drums are suitable for shipment of various dangerous commodities under various ICC specifications. Constructed with seamless chimes, I-bar rolling hoops and chime protecting foot rings.



Hackney

Send for complete Hackney Drum and Barrel Catalog.

PRESSED STEEL TANK CO.
Manufacturer of Hackney Products
1448 S. 66th St., Milwaukee 14, Wisconsin

See company directory for addresses

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Charles F Warrick Co

Louis Allis Co
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Automatic Switch Co
Bailey Meter Co
Barber-Colman Co
Cutler-Hammer Inc
Electric Machy Mfg Co
Falstrom Co
Fischer & Porter Co
General Elec Co, Apparatus Sales Div
Hays Corp
Hoffman Engrg Corp
Kahn & Co
Killark Electric Mfg Co
Kirk & Blum Mfg Co
Leeds & Northrup Co
Read Standard Div
Reliance Elec & Engrg Co
Edw Renneburg & Sons Co
Republic Flow Meters Co
Richardson Scale Co

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Bristol Co
Brown Instruments Div
Cutler-Hammer
Falstrom Co
Fischer & Porter Co
Foxboro Co
Hays Corp
Johnson Service Co
Mason-Neilan
Edw Renneburg & Sons Co
Richardson Scale Co

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Bristol Co
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Cochrane Corp
Conoflow Corp
Cutler-Hammer
Falstrom Co
Fischer & Porter Co
Foxboro Co
Hays Corp
Kahn & Co
Kirk & Blum Mfg Co
Leeds & Northrup Co
Edw Renneburg & Sons Co
Republic Flow Meters Co
Richardson Scale Co
Thermco Instrument Corp

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Barber-Colman Co
Bristol Co
Fischer & Porter Co
Foxboro Co
Edw Renneburg & Sons Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
United States Elec Motors

CONTROLLERS, CURRENT

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Bristol Co
Brown Instruments Div
General Elec Co, Apparatus Sales Div
Conoflow Corp
Reliance Elec & Engrg Co
Stackpole Carbon Co
United States Elec Motors
Victory Engrg Corp
Wallace & Tiernan Inc

CONTROLLERS, DIFFERENTIAL

Bailey Meter Co
Barber-Colman Co
Bristol Co
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A W Cash Co
Copes-Vulcan Div
Fischer & Porter Co
Leslie Co
Mason-Neilan Div
North American Mfg Co
Republic Flow Meters Co
C E Squires Co
United Elec Controls Co
United States Elec Motors

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Bristol Co
Brown Instruments Div
Fischer & Porter Co
Fulton Sylphon Div
General Controls Co
Leeds & Northrup Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Reliance Elec & Engrg Co
Republic Flow Meters Co
Swartwout Co
Thermo Elec Mfg Co
United Elec Controls Co
United States Elec Motors
Victory Engrg Corp
West Instrument Corp

CONTROLLERS, HUMIDITY

American Instrument Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Controlled Atmosphere Enclosures Mfg Co
Foxboro Co
Grinnell Co
Johnson Service Co
Mason-Nielan Div
Parks-Cramer Co
Penn Controls
Powers Regulator Co
Thermo Elec Co
United Elec Controls Co
United States Elec Motors
United States Gauge Div

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Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Leeds & Northrup Co
Mason-Neilan Div
Manning, Maxwell & Moore, Inc
Powers Regulator Co
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Thermo Elec Co
United Elec Controls Co
United States Elec Motors
United States Gauge Div
Victory Engrg Co
West Instrument Corp

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Barber-Colman Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Reliance Elec & Engrg Co
Thermo Elec Mfg Co
United States Elec Controls Co
United States Elec Motors
United States Gauge Div
Victory Engrg Corp
Edwin L Wiegand Co

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Charles F Warrick Co

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Bendix Aviation Corp
Bin-Dicator Co
Black, Sivalls & Bryson
Brown Instruments Div
Cochrane Corp
Copes-Vulcan Div
Delta Tank Mfg Co
Fischer & Porter Co
Foxboro Co
Fulton Sylphon Div
General Elec Co, Apparatus Sales Div
General Elec Corp, X-Ray Dept
Infilco, Inc
Jo-Bell Products
Johnson Corp
Klipfel Valves Inc
Leslie Co
Magnetrol, Inc
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
McDonnell & Miller
Moore Products Co
Ohmart Corp
Penn Controls
H A Phillips & Sons Co
Powers Regulator Co
Reliance Elec & Engrg Co
Edw Renneburg & Sons Co
Republic Flow Meters Co
Richardson Scale Co
Fred H Schaub Engrg Co
E C Smith Mfg Co
C E Squires Co
Swartwout Co
Thermo Elec Co
United Elec Controls Co
United States Elec Motors
United States Gauge Div
Victory Engrg Corp

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Barber-Colman Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hays Corp
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Powers Regulator Co
Precision Thermometer & Instrument Co
Edw Renneburg & Sons Co
Richardson Scale Co
Thermo Elec Co
United States Gauge Div
West Instrument Corp

CONTROLLERS, SAFETY

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Bristol Co
Brown Instruments Div
Fulton Sylphon Div
General Elec Co, Apparatus Sales Div
McDonnell & Miller
Thermo Elec Co
United Elec Controls Co
Victory Engrg Corp

CONTROLLERS, TEMPERATURE

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C W Brabender Instruments
Bristol Co
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Foster Engrg Div
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Hays Corp
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Leeds & Northrup Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Penn Controls
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
C E Squires Co
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United Elec Controls Co
United States Elec Motors
United States Gauge Div
West Instrument Corp
Victory Engrg Corp

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Cambridge Filter Corp
Johnson-March Corp
Oxy-Catalyst
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Thermo Instrument Corp

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Atlas Valve Co
Bristol Co
Brown Instruments Div
Bryant Industrial Products
Fischer & Porter Co
Henszey Co
Leeds & Northrup Co
Ohmart Corp
Precision Thermometer & Instrument Co
United States Elec Motors

CONTROLS, COMBUSTION

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Copes-Vulcan Div
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Foster-Wheeler Corp
General Controls Co
Hays Corp
Leeds & Northrup Co
North American Mfg Co
Penn Controls
Edw Renneburg & Sons
Republic Flow Meters Co

CONTROLS, CONCENTRATION

Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Harold Kruger Instruments
Leeds & Northrup Co
Ohmart Corp
Precision Thermometer & Instrument Co

CONTROLS, CONDUCTIVITY

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Brown Instruments Div
Foxboro Co
Industrial Instruments
Leeds & Northrup Co

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Brown Instruments Div
Controlled Atmosphere Enclosures Mfg Co
Fenwal, Inc
Fulton Sylphon Div
Johnson Service Co
Leslie Co
OPW-Jordan
Penn Controls
Sarco Co
United Elec Controls Co

CONTROLS, DENSITY

Bailey Meter Co
Bendix Aviation Corp
Bristol Co
Brown Instruments Div
Buflovak Equipment Div
Fischer & Porter Co
Foxboro Co
Moore Products Co
Ohmart Corp
Precision Thermometer & Instrument Co
United Elec Controls Co

CONTROLS, ELECTRICAL, AUTOMATIC

Sarco Co
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General Elec Co, Apparatus Sales Div
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Reliance Elec & Engrg Co
Richardson Scale Co
Sarco Co
Simpson Electric Co
Superior Elec Co
Swartwout Co
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United Elec Controls Co
West Instrument Corp

CONTROLS, ELECTRONIC

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Fischer & Porter Co
Foxboro Co
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General Elec Co, Apparatus Sales Div
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Kahn & Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Plas-Tech Equipment Corp
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Simpson Electric Co
Stackpole Carbon Co
Superior Elec Co
Swartwout Co
Terriss Div
West Instrument Corp

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Bristol Co
Brown Instruments Div
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Foxboro Co
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York Corp

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Brown Instruments Div
Copes-Vulcan Div
Fischer & Porter Co
General Controls Co
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Johnson Corp
Magnetrol
McDonnell & Miller
Moore Products Co
Republic Flow Meters Co
C E Squires Co

CONTROLS, FLOW

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Bristol Co
Brooks Rotameter Co
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Chemiquip Co
Eclipse Fuel Engrg Co
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
Granberg Corp
Hallikainen Instruments
Hanna Engrg Works
Hays Corp
Infilco Inc
Jordan Co
W A Kates Co
S P Kinney Engrs, Inc
Magnetrol, Inc
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
McDonnell & Miller
Moore Products Co
National Instruments Labs, Inc
North American Mfg Co
Norwood Controls
Republic Flow Meters Co
Swartwout Co
Thayer Scale Corp

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CONTROLS, FURNACE

Bailey Meter Co
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Eclipse Fuel Engrg Co
General Controls Co
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Leeds & Northrup Co
North American Mfg Co
Penn Controls
Republic Flow Meters Co
Thermo Elec Mfg Co
West Instrument Corp

CONTROLS, HUMIDITY

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Barber-Colman Co
Bristol Co
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Foxboro Co
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Industrial Instruments
Johnson Service Co
Parks-Cramer Co
Penn Controls
Powers Regulator Co
United Elec Controls Co

CONTROLS, HYDRAULIC

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Caterpillar Tractor Co
Crowell Designs
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Oilgear Co
Shand & Jurs Co
Sperry Products
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Atlas Valve Co
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Bristol Co
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Brown Instruments Div
Buflovak Equipment Div
Copes-Vulcan Div
Cutler-Hammer, Inc
Falcon Alarm Co
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
General Elec Co, X-Ray Dept
Hays Corp
Infilco Inc
Jo-Bell Products
Johnson Corp
Johnson Service Co
Kenco Pump Div
Klipfel Valves Inc
Leslie Co
Lunkenheimer Co
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Manning, Maxwell & Moore, Inc
Mason-Neilan Div
McDonnell & Miller
Moore Products Co
Norwood Controls
OPW-Jordan
Ohmart Corp
Penn Controls
H A Phillips & Co
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Republic Flow Meters Co
Richardson Scale Co
Shand & Jurs Co
C E Squires Co
Swartwout Co
United Elec Controls Co
Victory Engrg Corp

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Barber-Colman Co
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Consolidated Electrodynamics Corp
Foxboro Co
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Mason-Neilan Div
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General Radio Co
Industrial Instruments
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Bristol Co
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General Elec Co, Apparatus Sales Div
Combustion Engrg
Jordan Co
Leeds & Northrup Co
Magnetrol, Inc
Norwood Controls
West Instrument Corp

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Beckman Instruments, Scientific & Process Instruments Divs
Bristol Co
Brown Instruments Div
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Leeds & Northrup Co
Manning Maxwell & Moore, Inc
Swartwout Co
W A Taylor & Co

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Simpson Elec Co
General Elec Co, Apparatus Sales Div

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Bristol Co
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Bryant Industrial Products
A W Cash Co
Consolidated Electrodynamics
Copes Vulcan Div
Delta Tank Mfg Co
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Granberg Corp
Hays Corp
Johnson Service Co
S P Kinney Engrs, Inc
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Norwood Controls
OPW-Jordan
Penn Controls
Powers Regulator Co
Republic Flow Meters Co
Sarco Co
Spence Engrg Co
C E Squires Co
Swartwout Co
United Elec Controls Co
Weksler Instruments Corp

CONTROLS, PUMP

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Bailey Meter Co
Bristol Co
Brown Instruments Div
A W Cash Co
Conoflow Corp
Copes-Vulcan Div
Flood City Brass & Elec Co
Foster Engrg Div
Fulton Sylphon Div
Kenco Pump Div
Leslie Co
Magnetrol, Inc
Mason-Neilan Div
Oilgear Co
Penn Controls
Shand & Jurs Co
Spence Engrg Co
C E Squires Co
United Elec Controls Co

CONTROLS, REFRIGERATION

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Bristol Co
Brown Instruments Div
Cutler-Hammer, Inc
Fenwal, Inc
General Controls Co
Leslie Co
Magnetrol, Inc
Penn Controls
H A Phillips & Co
United Elec Controls Co
York Corp

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Barber-Colman Co
Blaco Mfg Co
Bristol Co
Brown Instruments Div
Crowell Designs
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Jordan Co
Leslie Co
Mason-Neilan Div
Moore Products Co
Powers Regulator Co
Edw Renneburg & Sons Co
Richardson Scale Co
Serwell Products Co
Shand & Jurs Co
Spence Engrg Co
C E Squires Co
West Instrument Corp

CONTROLS, SAFETY

Bristol Co
Brown Instruments Div
Controlled Atmosphere Enclosures Mfg Co
General Elec Co, Apparatus Sales Div
General Controls Co
Magnetrol
McDonnell & Miller
Edw Renneburg & Sons Co
C E Squires Co
United Elec Controls Co

CONTROLS, SPEED

Allis-Chalmers Mfg Co
Bailey Meter Co
Barber-Colman Co
Bin-Dicator Co
Bristol Co
Brown Instruments Div
Cutler-Hammer, Inc
Foxboro Co
General Elec Co, Apparatus Sales Div
General Radio Co
Jordan Co
Kahn & Co
Link-Belt Co
Manning, Maxwell & Moore, Inc
Norwood Controls
Edw Renneburg & Sons Co
Superior Elec Co
Zero-Max Co

CONTROLS, TEMPERATURE

Atlas Valve Co
Bailey Meter Co
Barber-Colman Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Bryant Industrial Products
A W Cash Co
Controlled Atmosphere Enclosures Mfg Co
Cutler-Hammer, Inc
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Thomas A Edison Industries
Engelhard Industries
Fenwal, Inc
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hallikainen Instruments
Hays Corp
Illinois Testing Labs
Johnson Service Co
S P Kinney Engrs Inc
Leeds & Northrup Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
OPW-Jordan
Penn Controls
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
Edw Renneburg & Sons Co
Sarco Co
Simpson Electric Co
Spence Engrg Co
C E Squires Co
Swartwout Co
Thermo Elec Co
Thermo Elec Mfg Co
United Elec Controls Co
Victory Engrg Corp
Weksler Instruments
West Instrument Corp
Yellow Springs Instrument Co

CONTROLS, TIME CYCLE

Bailey Meter Co
Barber-Colman Co
BIF Industries
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Cutler-Hammer, Inc
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
C W Logeman Co
Mason-Neilan Div
Powers Regulator Co
Reynolds Elec Co
Simpson Elec Co
United Elec Controls Co

CONTROLS, VACUUM

Bailey Meter Co
Barber-Colman Co
Barksdale Valves
Bristol Co
Brown Instruments Div
Bryant Industrial Products
Conoflow Corp
Consolidated Electrodynamics Corp
Cutler-Hammer
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Hastings-Raydist
Johnson Service Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
N R C Equipment Corp
Penn Controls
Arthur F Smith Co
C E Squires Co
United Elec Controls Co
Wallace & Tiernan Inc

CONTROLS, VALVE

Atlas Valve Co
Automatic Switch Co
Bailey Meter Co
Barber-Colman Co
BIF Industries
Bristol Co
Brown Instruments Div
A W Cash Co
Crowell Designs
Delta Tank Mfg Co
Farris Flexible Valve Corp
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
Hanna Engrg Works
Johnson Service Co
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Norwood Controls
Oilgear Co
Powers Regulator Co
Shand & Jurs Co
C E Squires Co
Walworth Co

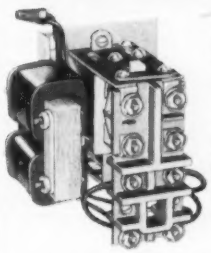
CONTROLS, VISCOSITY

Bendix Aviation Corp
C W Brabender Instruments
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Hallikainen Instruments
Manitowoc Shipbuilding, Fabricating Div
Norcross Corp
United Elec Controls Co

CONVERTERS, SYNCHRONOUS

Allis-Chalmers Mfg Co
General Elec Co, Apparatus Sales Div
Perkins Engrg Corp
United States Elec Motors

WARRICK
FLOATLESS, ELECTRODE-TYPE



LIQUID LEVEL CONTROLS

Two-pole control shown above

- No moving parts in the liquid
- Easy to install
- No adjustments necessary
- Unaffected by acids or caustics
- Unaffected by pressure or temperature

YOU CAN USE OUR CONTROLS FOR

- Evaporators
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- Acid and Caustic Storage Tanks
- Process Levels
- Waste Disposal
- Water Treatment
- Automatic Batching

Write for 32-page Catalog

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1972 W. Eleven Mile Road, Berkley, Mich.
Telephone JOrdan 4-6667

See company directory for addresses

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►Kennedy Van Saun Mfg & Engrg Corp

Alvey Conveyor Mfg Co
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Brady Conveyors Corp
Chain Belt Co
Conveyors & Dumpers, Inc
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Denver Equipment Co
Harry J Ferguson Co
Frazier & Son
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hapman Conveyors
Island Equipment Corp
Jeffrey Mfg Co
Link-Belt Co
Lippman Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Manufacturers Equipment Co
Materials Handling Equipment Co
Mercury Industries
National Drying Machy Co
New London Engrg Co
Proctor & Schwartz
Standard Conveyor Co
Stephens-Adamson Mfg Co

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Union Bag-Camp Paper Corp

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Rapids-Standard Co
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Continental Boiler & Sheet Iron Works
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Denver Equipment Co
Frazier & Son
General Metals Inc
Gifford-Wood Co
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Gruendler Crusher & Pulverizer Co
Hapman Conveyors
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Lippmann Engrg Works
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Link-Belt Co
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Commercial Filters Corp
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Day Co
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Hapman Conveyors
Infilco, Inc
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Joy Mfg Co
Link-Belt Co
Lippmann Engrg Works
MRM Co
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Manufacturers Equipment Co
Materials Handling Equipment Co
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Sturtevant Mill Co

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►Kennedy Van Saun Mfg & Engrg Corp

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Prater Pulverizer Co
Robinson Air-Activated Conveyor Systems

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Flexoveyor Mfg Co
Gifford-Wood Co
Link-Belt Co
National Drying Machy Co
Materials Handling Equipment Co
New London Mfg Co
Edw Renneburg & Sons Co

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Eriez Mfg Co
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Infilco, Inc
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Stephens-Adamson Mfg Co

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Cleveland Crane & Engrg
Colorado Fuel & Iron
Flexoveyor Mfg Co
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Rapids-Standard Co
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J H Day Co Div
►Fuller Co
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Dracco Div
Filtres Inc
General Metals Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Myers Sherman Co
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Prater Pulverizer Co
Pulverizing Machy Div
Read Standard Div
Robinson Air-Activated Conveyor Systems
Safety Industries, Entoleter Div
Spencer Turbine Co
Sprout, Waldron & Co
Yeomans Bros Co

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Denver Equipment Co
Harry J Ferguson Co
Flexoveyor Mfg Co
Hapman Conveyors
Island Equipment Corp
Lippmann Engrg Works
Link-Belt Co
MRM Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Mercury Industries
Myers Sherman Co
New London Mfg Co
Pettibone Mulliken Corp
Rapids-Standard Co
Edw Renneburg & Sons Co
Speedways Conveyors
Sprout, Waldron & Co
Standard Conveyor Co

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Conveyors & Dumpers, Inc
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Day Co
Delta Tank Mfg Co
Denver Equipment Co
Dracco Div
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hapman Conveyors
Jeffrey Mfg Co
Joy Mfg Co
Link-Belt Co
Lippmann Engrg Works
Materials Handling Equipment Co
Mercury Industries
Franklin P Miller & Son
McDowell Co
National Conveyors Co
National Drying Machy Co
New London Mfg Co
Pettibone Mulliken Corp
Prater Pulverizer Co
Proctor & Schwartz
Pulverizing Machy Div
Sprout, Waldron & Co
Sturtevant Mill Co

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Flexoveyor Mfg Co
Gifford-Wood Co
Island Equipment Corp
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
MRM Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Pettibone Mulliken Corp
Rapids-Standard Co
Read Standard Div
Edw Renneburg & Sons Co
W S Rockwell Co
Speedways Conveyors
Standard Conveyor Co

CONVEYORS, ROTARY TABLE

Continental Boiler & Sheet Iron Works
J C Corrigan Co
Denver Equipment Co
Harry J Ferguson Co
Island Equipment Corp
Link-Belt Co
MRM Co
Oliver Corp
Edw Renneburg & Sons Co

CONVEYORS, ROTARY TUBULAR

Hapman Conveyors
Link-Belt Co
Edw Renneburg & Sons Co

CONVEYORS, SCREEN

Ajax Flexible Coupling Co
Carrier Conveyor Corp
J C Corrigan Co
Hendrick Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Mercury Industries
National Drying Machy Co
Edw Renneburg & Sons Co
W S Rockwell Co
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Sutton, Steele & Steele, Inc
Syntron Co

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J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp
D J Murray Mfg Co
Union Bag-Camp Paper Corp

Allied Steel Products Corp
Ampco Metal
Baughman Mfg Co
Boardman Co
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Conveyors & Dumpers, Inc
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Delta Tank Mfg Co
Gifford-Wood Co
Great Western Mfg Co
Jeffrey Mfg Co
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Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
Franklin P Miller & Son
National Drying Machy Co
Rapids Machy Co
Edw Renneburg & Sons Co
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co

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Alvey Conveyor Mfg Co
Barber-Greene Co
Boardman Co
Bodinson Mfg Co
Brady Conveyors Corp
Chain Belt Co
Conveyors & Dumpers, Inc
J C Corrigan Co
Harry J Ferguson Co
Gifford-Wood Co
Island Equipment Corp
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
Mercury Industries
Myers Sherman Co
National Drying Machy Co
Oliver Corp
Read Standard Div
Edw Renneburg & Sons Co
Standard Conveyor Co
West Bend Equipment Corp

CONVEYORS, TRAY

Chain Belt Co
Conveyors & Dumpers, Inc
J C Corrigan Co
Harry J Ferguson Co
Gifford-Wood Co
Hendrick Mfg Co
Jeffrey Mfg Co
Link-Belt Co
National Drying Machy Co
Standard Conveyor Co

CONVEYORS, TROLLEY

Cleveland Crane & Engrg Co
Link-Belt Co
Whiting Corp

CONVEYORS, UNIVERSAL CARRIER

Hapman Conveyors
Jeffrey Mfg Co
Link-Belt Co

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Ajax Flexible Coupling Co
Carrier Conveyor Corp
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Mercury Industries
National Drying Machy Co
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Sutton, Steele & Steele, Inc
Syntron Co

CONVEYORS, WASHING

J C Corrigan Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Mercury Industries
Edw Renneburg & Sons Co
W S Rockwell Co
Stephens-Adamson Mfg Co

CONVEYORS, WEIGHING

BIF Industries
Exact Weight Scale Co
Jeffrey Mfg Co
Link-Belt Co
Lippman Engrg Works
McDowell Co
Mercury Industries
Richardson Scale Co
Robinson Air-Activated Conveyor Systems
Stephens-Adamson Mfg Co
Thayer Scale Corp
Weighing & Control Components

COOKERS, PRESSURE

Allied Steel Products Corp
Bishopric Products Co
Chicago Bridge & Iron Co
J P Devine Mfg Co
Graver Tank & Mfg Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Terriss Div

COOKERS, STEAM

Standard Steel Corp

Allied Steel Products Corp
Chicago Bridge & Iron Co
Dean Products Inc
J P Devine Mfg Co
Graver Tank & Mfg Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Kenneth J Moore & Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Terriss Div

COOKERS, STEAM AUTOCLAVE

Standard Steel Corp

Allied Steel Products Corp
Bethlehem Foundry & Mach Co
S Blickman, Inc
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Graver Tank & Mfg Co
O G Kelley & Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co

COOLERS, ACID

National Carbon Co Div
►Henry Vogt Mach Co

Alco Products
Allied Steel Products Corp
Ampco Metal
Buflovak Equipment Div
Camden Copper Works
Carbone Corp
Colonial Iron Works Co
Condenser Service & Engrg Co
Dean Products Inc
DeLaval Separator Co
Downingtown Iron Works
Fansteel Metallurgical Corp
General Ceramics Corp
Graham Mfg Co
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
Manning & Lewis Engrg Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Plastic Applicators
Platecoil Div
Redmanson Corp
Southwestern Engrg Co
United States Stoneware Co
Vulcan Mfg
Western Supply Co
Whiting Corp
Whitlock Mfg Co
Young Radiator Co

COOLERS, AIR

Acme Industries
Alco Products, Inc
Allied Steel Products Corp
Richard M Armstrong Co
Camden Copper Works
Chicago Pneumatic Tool Co
Condenser Service & Engrg Co
Dean Products Inc
Graham Mfg Co
Griscom-Russell Co
Johnson Corp
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning & Lewis Engrg Co
Marlo Coil Co
National-US Radiator Corp
Nooter Corp
Patterson-Kelley Co
Platecoil Div
Redmanson Corp
Schutte & Koerting Co
Sprout, Waldron & Co
Trane Co
Whitlock **Mfg Co**
York Corp
Young Radiator Co

COOLERS, AIR QUENCHING

►Fuller Co
►Kennedy Van Saun Mfg & Engrg Corp

Alco Products
Allis-Chalmers Mfg Co
Condenser Service & Engrg Co
Dean Products Inc
B F Gump Co
Patterson-Kelley Co
Redmanson Corp
Trane Co
Young Radiator Co

COOLERS, AMMONIA

Acme Industries
Alco Products
Richard M Armstrong Co
Camden Copper Works
Condenser Service & Engrg Co
Dean Products Inc
Downingtown Iron Works
Frick Co
Griscom-Russell Co
Manning & Lewis Engrg Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Platecoil Div
Southwestern Engrg Co
Vilter Mfg Co
Vulcan Mfg
Whitlock Mfg Co
York Corp

COOLERS, BRINE

National Carbon Co Div
►Henry Vogt Mach Co

Acme Industries
Alco Products
Allied Steel Products Corp
Ampco Metal
Richard M Armstrong Co
Condenser Service & Engrg Co
Dean Products Inc
DeLaval Separator Co
Downingtown Iron Works
Frick Co
Griscom-Russell Co
Knapp Mills
Manning & Lewis Engrg Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Platecoil Div
Redmanson Corp
Edw Renneburg & Sons Co
Rietz Mfg Co
Trane Co
Vilter Mfg Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, CARBON DIOXIDE

Cardox Div

Alco Products
Condenser Service & Engrg Co
Frick Co
Graham Mfg Co
Patterson-Kelley Co
Southwestern Engrg Co
Whitlock Mfg Co
Young Radiator Co

COOLERS, CASCADE

National Carbon Co Div

R D Cole Mfg Co
Condenser Service & Engrg Co
Corning Glass Works
Frick Co
General Ceramics Corp
Knapp Mills
Nooter Corp
Platecoil Div
Redmanson Corp
York Corp

COOLERS, ELECTRO VIBRATING

Carrier Conveyor Corp
Condenser Service & Engrg Co
Jeffrey Mfg Co
Syntron Co

COOLERS, EVAPORATIVE

Croll-Reynolds Co
Niagara Blower Co

Acme Industries
Alco Products
Ampco Metal
Richard M Armstrong Co
Buflovak Equipment Div
Camden Copper Works
DeLaval Separator Co
Downingtown Iron Works
Graham Mfg Co
Manning & Lewis Engrg Co
Marlo Coil Co
Nooter Corp
National-U S Radiator Corp
Patterson-Kelley Co
Pfaudler Co Div
Platecoil Div
Redmanson Corp
Edw Renneburg & Sons Co
Trane Co
Vulcan Mfg
York Corp
Young Radiator Co

COOLERS, GAS

►Allied Chem Corp, Semet-Solvay Engrg Div
National Carbon Co Div
►Henry Vogt Mach Co

Alco Products
Carbone Corp
Condenser Service & Engrg Co
Dean Products Inc
Downingtown Iron Works
Engineering Controls
Gas Machy Co
General Ceramics Corp
Graham Mfg Co
Griscom-Russell Co
Heatron, Inc
Maurice A Knight Co
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Nooter Corp
Patterson-Kelley Co
Redmanson Corp
Schutte & Koerting Co
Southwestern Engrg Co
Trane Co
Whitlock Mfg Co
York Corp
Young Radiator Co

COOLERS, MAGNETIC

Dean Products, Inc
Redmanson Corp

COOLERS, OIL

►Henry Vogt Mach Co

Acme Industries
Alco Products, Inc
American Standard Industrial Div
Condenser Service & Engrg Co
Dean Products, Inc
DeLaval Separator Co
Downingtown Iron Works
Engineering Controls
Graham Mfg Co
Griscom-Russell Co
Harrison Radiator Div
Heatron, Inc
Manning & Lewis Engrg
Marlo Coil Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Platecoil Div
Redmanson Corp
Southwestern Engrg Co
Trane Co
Whitlock Mfg Co
Young Radiator Co

COOLERS, ROTARY

Standard Steel Corp

Allis-Chalmers Mfg Co
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Boardman Co
Buflovak Equipment Div
R D Cole Mfg Co
General American Transportation Corp
Hardinge Co
Leader Iron Works
Link-Belt Co
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Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Nordberg Mfg Co
Edw Renneburg & Sons Co
Rietz Mfg Co
F L Smidth & Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Co
Wyssmont Co

COOLERS, SAMPLE FLUID

Cochrane Corp
Condenser Service & Engrg Co
Graham Mfg Co
Industrial Instruments Inc
Trane Co
Whitlock Mfg Co
Young Radiator Co

COOLERS, WATER

Croll-Reynolds Co
Niagara Blower Co
►Henry Vogt Mach Co

Acme Industries
Alco Products, Inc
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
Crown Cork & Seal Co
Dean Products Inc
DeLaval Separator Co
Engineering Controls
Frick Co
Graham Mfg Co
Griscom-Russell Co
Manning & Lewis Engrg
Marlo Coil Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Platecoil Div
Redmanson Corp
Trane Co
Vilter Mfg Co
Whitlock Mfg Co
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CHILL-VACTOR

CHILLED WATER FOR PROCESS COOLING

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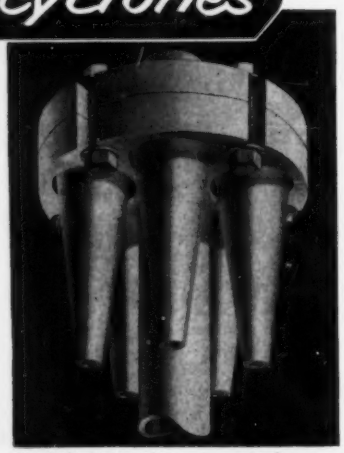
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Branstead Still & Sterilizer Co
Bio-Rad Labs
Boardman Co
Chem-Pure Service Co
Cochrane Corp
Conoflow Corp
Elgin Softener Corp
Flexi-Liner Co
Graver Water Conditioning Co
Infilco, Inc
O G Kelley & Co
Kutlir Labs
Los Angeles Water Softener Co
Nooter Corp
Ogden Filter Co
Permutit Co

DEMISTERS

National Carbon Co Div

Air-Maze Corp
Delta Tank Mfg Co
Manning & Lewis Engrg
Metal Textile Corp

DENSITOMETERS

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Standard Scientific Supply Corp

Applied Research Labs
Baird-Atomic, Inc
Bristol Co
Eastman Kodak Co
Precision Thermometer & Instrument Co
Simpson Electric, Size Control

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Artisan Metal Products
Buflovak Equipment Div
DeLaval Separator Co
Girdler Process Equipment Div
Rodney Hunt Mach Co
Infilco, Inc
Konto Co
Permutit Co
Vulcan Mfg
Wurster & Sanger

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J P Devine Mfg Co
Manning & Lewis Engrg Co
Trane Co
Vulcan Mfg

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Konto Co
Ernest Scott & Co
Arthur F Smith Co
Vulcan Mfg

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Bailey Meter Co
Combustion Engrg
Copes-Vulcan Div
Foster Wheeler Corp
Heatron, Inc
Manning & Lewis Engrg Co
Patterson-Kelley Co
Spence Engrg Co
Trane Co

DETECTORS, HAZARDOUS OR POISONOUS GASES

Consolidated Electrodynamics Corp
Harold Kruger Instruments
Mine Safety Appliances
United States Safety Service Co
Wallace & Tiernan Inc

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Beckman Instruments, Scientific & Process Instruments Divs
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
General Elec Co, Apparatus Sales Div
Heatron, Inc
Kahn & Co
Linde Co
Mine Safety Appliances
N R C Equipment Corp
Perkin-Elmer Corp
Arthur F Smith Co
F J Stokes Corp
Tube Manifold Corp

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Stearns Magnetic Products
General Elec Co, Apparatus Sales Div

DETECTORS, SMOKE

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Barber-Colman Co
Bristol Co
Walter Kidde & Co
General Elec Co, Apparatus Sales Div

DETECTORS, TEMPERATURE

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Bristol Co
Thomas A Edison Industries
Falcon Alarm Co
General Elec Co, Apparatus Sales Div
Kidde Ultransonic & Detection Alarms
Paper Thermometer Co
Pyrometer Instrument Co
E C Smith Mfg Co
Thermo Elec Co
Victory Engrg Corp

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Heyl & Patterson

Baker Perkins
Bird Mach Co
Carrier Conveyor Corp
Davenport Mach & Foundry Co
Denver Equipment Co
General American Transportation Corp
Graver Water Conditioning Co
Great Western Mfg Co
Hardinge Co
Link-Belt Co
Edw Renneburg & Sons Co
Claude B Schneible Co
Sutton, Steele & Steele, Inc
Universal Road Machy Co
Western States Mach Co

DIALYZERS

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Brosites Products Corp

Graver Water Conditioning Co

DIAPHRAGMS, PLASTIC

►Resistoflex Corp

American Hard Rubber Co Div
Raybestos-Manhatten
Reliance Plastic & Chem Corp
Sparta Mfg Co
United States Stoneware Co
Wyatt's Plastics, Inc

DIAPHRAGMS, RUBBER

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American Hard Rubber Co Div
Chicago-Allis Mfg Corp
Gates Rubber Co
Goshen Rubber Co
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Plastic Applicators
Raybestos-Manhattan
United States Rubber Co
Wyatt's Plastics, Inc

DIFRACTOMETERS

General Elec Co, X-Ray Dept

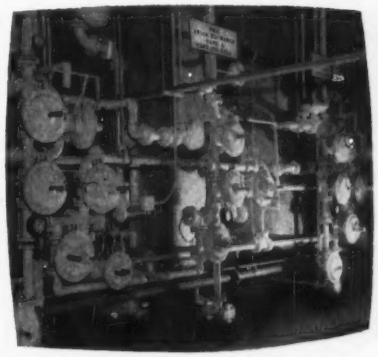
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THESE NEW IDEAS HAVE COME FROM

ILLCO-WAY DESIGNERS AND BUILDERS

MODERN EQUIPMENT FOR ionXchange



Illinois Water Treatment Co. was incorporated over 20 years ago to use the newly-discovered resins in the development of ionXchangers.

1942 By this time, IWT had already built more than 50 successful multi-bed ionXchangers (some of which are still in use today).

1943 IWT brought "automation" to ionXchange with the introduction of automatic ionXchangers, some of which were very large. (Some of *these* are still operating today, also.)

1947 This was the year when IWT brought out the first large (400 gpm) ionXchanger for silica removal.

1949 IWT built the first commercial *Mixed Bed* ionXchanger. (U.S. Patents 2605084 2771424)

1954 A huge 5,000 gpm fully-automatic mixed-bed ionXchanger was designed and built by IWT to remove silica from make-up water for high-pressure boilers. This plant has now de-ionized over SIXTY BILLION pounds of water.

1957 IWT introduced "Counterflow," the first really new idea in multi-bed ionXchangers since the introduction of silica-removal techniques. (Patent pending.)

THIS EXPERIENCE CAN MEAN A LOT TO YOU

These ideas, and other IWT developments, can mean reduced costs, improved operations, and greater efficiency in your plant. *Check with your IWT representative.*

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NEW YORK OFFICE: 141 E. 44th St., New York 17, N.Y.
CANADIAN DIST.: Pumps & Softeners, Ltd., London, Ont.

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Infilco, Inc
Link-Belt Co
Norton Co
Trane Co
Yeomans Bros Co

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Ampco Metal
Babcock & Wilcox Co, **Boiler Div**
Buflovak Equipment Div
Chicago Bridge & Iron Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works Div
Electric Steel Foundry Co
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Infilco, Inc
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Charles Ross & Sons Co
A O Smith Corp
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Struthers Wells Corp
Wyatt Metal & Boiler Works, Inc

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Combustion Engrg
Manitowoc Shipbuilding, Fabricating Div

DIGESTERS, SEWAGE

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Dravo Corp
Hardinge Co
Infilco, Inc
Link-Belt Co
Yeomans Bros Co

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Electric Steel Foundry Co
Terriss Div
United States Stoneware Co

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Manufacturers Equipment Co
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Reitz Mfg Co
Edw Renneburg & Sons Co
Charles Ross & Son Co

DISKS, ASBESTOS

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Johns-Manville
National Filter Media Corp

Chicago Gasket Co
Raybestos-Manhattan

DISKS, FILTER

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National Filter Media Corp

Air-Maze Corp
American Felt Co
Cambridge Filter Corp
Corning Glass Works
Filtros Inc
Lamports Co
Newark Wire Cloth Co
Norton Co
Terriss Div

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Bridgeport Brass Co
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Crucible Steel Co of America
Engelhard Industries
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Wickwire Spencer Steel Div

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Fluorulon Labs
Garlock Packing Co
Luzerne Rubber Co
National Vulcanized Fibre Co
Par-Pak Co
Pelamay Products
Polymer Corp
Protective Lining Corp
Reliance Plastic & Chem Corp
Sparta Mfg Co
Wyatt's Plastics, Inc

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Carbone Corp
Engelhard Industries
Falls Industries
General Ceramics Corp
General Metals Inc
Kelley Mfg Co
J A Samuel & Co
Wyatt's Plastics, Inc

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J H Day Co Div

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Manton-Gaulin Mfg Co
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Charles Ross & Son Co
Patterson Foundry & Mach Co
Safety Industries, Entoleter Div
Strong-Scott Mfg Co
Tri-Homo Corp

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DISSOLVERS

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Chemineer Inc
Colonial Iron Works Co
Kinetic Dispersion Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Star Tank & Filter Corp
Terriss Div
Tri-Homo Corp

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►**Allied Chem Corp, Semet-Solvay Engrg Div**
Fisher Scientific
Standard Scientific Supply Corp

Air Products, Inc; Process Equip Div
Allied Steel Products Corp
Ampco Metal
Artisan Metal Products
Badger Mfg Co
Barnstead Still & Sterilizer Co
Camden Copper Works
Chicago Bridge & Iron Co
Colonial Iron Works Co
Consolidated Electrodynamics Corp, Rochester Div
Corning Glass Works
Electric Hotpack Co
Engelhard Industries
Glass Engrg Labs
Graver Tank & Mfg Co
Henszey Co
Rodney Hunt Mach Co
Konto Co
Leader Iron Works
Packed Column Corp
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Ernest Scott & Co
Arthur F Smith Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
F J Stokes Corp
Struthers Wells Corp
Vulcan Mfg
Whiting Corp
Wurster & Sanger

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Beacon Machy
Hodgson Equipment Co
Kelley Co Inc
Revolvator Co

DOCKBOARDS, PORTABLE

Hodgson Equipment Co
Lewis-Shepard Products

DOCK BUMPERS

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Kelley Co Inc
United States Rubber Co

DOLLIES

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Fairbanks Co
Hamilton Caster & Mfg Co
Hodgson Equipment Co
Island Equipment Corp
Lewis-Shepard Products
Terriss Div
West Bend Equipment Corp

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Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Chicago Bridge & Iron
J P Devine Mfg Co
Dravo Corp
Kinnear Mfg Co
Struthers Wells Corp

DRAINERS

Black, Sivalls & Bryson
Cochrane Corp
Goulds Pumps Inc
Terriss Div

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Louis Allis Co
Allis-Chalmers Mfg Co
American Pulley Co
American Standard Industrial Div
Cleveland Worm & Gear Co
Cutler-Hammer
General Elec Co, Apparatus Sales Div
Graham Transmissions Inc
Link-Belt Co
Oilgear Co
Pfaudler Co Div
Reeves Pulley Co
Reliance Elec & Engrg Co
Arthur F Smith Co
Stephens-Adamson Mfg Co
Sterling Elec Motors
United States Elec Motors
Zero-Max Co

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Cleveland Worm & Gear Co
Denver Equipment Co
Falk Corp
New England Tank & Tower Co
Link-Belt Co
Pfaudler Co Div
Reeves Pulley Co
Reliance Elec Engrg Co
Arthur F Smith Co
Sterling Elec Motors

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Chain Belt Co
Dodge Mfg Corp
Great Western Mfg Co
Jeffrey Mfg Co
Link-Belt Co
National Drying Machy Co
Pfaudler Co Div
Edw Renneburg & Sons Co

DRIVES, CONTROL

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General Elec Co, Apparatus Sales Div
Link-Belt Co
Reeves Pulley Co
Reliance Elec & Engrg Co
Republic Flow Meters Co

DRIVES, FLUID

American Standard Industrial Div
Dodge Mfg Corp
Link-Belt Co
Oilgear Co
Twin Disc Clutch Co

DRIVES, GEAR

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Cleveland Worm & Gear Co
Thomas A Edison Industries
Electric Machy Mfg Co
Falk Corp
Link-Belt Co
Pfaudler Co Div
Reeves Pulley Co
Edw Renneburg & Sons Co
F L Smidth & Co
Sterling Elec Motors
United States Elec Motors
Zero-Max Co

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Link-Belt Co
Syntron Co

DRIVES, SILENT CHAIN

Link-Belt Co
Pfaudler Co Div

DRIVES, V-BELT

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American Pulley Co
Barber-Greene Co
Dodge Mfg Co
Gates Rubber Co
Great Western Mfg Co
Pfaudler Co Div
Reeves Pulley Co
Reliance Elec & Engrg Co
United States Rubber Co
Worthington Corp

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Allis-Chalmers Mfg Co
Republic Flow Meters

DRIVES, VARIABLE SPEED

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American Standard Industrial Div
Cleveland Worm & Gear Co
Dodge Mfg Corp
Electric Machy Mfg Co
Frazier & Son
Gates Rubber Co
General Elec Co, Apparatus Sales Div
Graham Transmissions Inc
Great Western Mfg Co
Link-Belt Co
Marathon Elec Mfg Corp
Oilgear Co
Pfaudler Co Div
Reeves Pulley Co
Reliance Elec & Engrg Co
Sterling Elec Motors
United States Elec Motors
United States Rubber Co
Worthington Corp
Zero-Max Co

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Conveyors & Dumpers, Inc
Economy Engrg Co
Fairbanks Co
Gifford-Wood Co
Hamilton Caster & Mfg Co
Hodgson Equipment Co
Industrial Products Co
Jeffrey Mfg Co
Link-Belt Co
Platecoil Div
Republic Steel Corp
Revolvator Co
Terriss Div
West Bend Equipment Corp

DRUMS, ACID

►**Aceto Chem Co**
Pressed Steel Tank Co
►**U S Steel Products Div**

Allied Steel Products Corp
American Hard Rubber Co Div
Binder Cooperage Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Flexi-Liner Co
Inland Steel Container Co
Knapp Mills
Redmanson Corp
Rheem Mfg Co, Container Div
Schori Process Div
Vulcan Containers

DRUMS, AGITATING

►**U S Steel Products Div**

Binder Cooperage Co
Buflovak Equipment Div
Delta Tank Mfg Co
Graver Tank & Mfg Co
Hodgson Equipment Co
Inland Steel Container Co
Franklin P Miller & Son
Newark Steel Drum Co
Rheem Mfg Co, Container Div
Vulcan Containers

DRUMS, ALLOY

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►**U S Steel Products Div**

Allied Steel Products Corp
Buflovak Equipment Div
Delta Tank Mfg Co
Graver Tank & Mfg Co

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Delta Tank Mfg Co
Graver Tank & Mfg Co
Inland Steel Container Co

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►**Greif Bros Cooperage Corp**

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Master Package Corp
Middlesex Paper Tube Co
Owens-Illinois Glass Co, Paper Products Div
Rheem Mfg Co, Container Div

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Exhibit of Greif Bros. Products at 28th National Packaging Exposition Chicago 1959, at which the Greif Space-Saving **RO-CON** Drum was introduced to Industry.

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Tel. Eliot 4-0394

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Tel. Elgin 8-3271

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Tel. Pontiac 6-8596

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Tel. Triangle 8-9641

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Tel. Chester 3-9295

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Tel. Fulton 8-1221

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Tel. Atlas 8-1600

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Chicago, Illinois
Tel. Haymarket 1-4235

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Sandusky Cooperage Division
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Tel. Midway 5-5557

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Tel. Yorktown 5-4820

17th Street & Osage Avenue
Kansas City, Kans.
Tel. Drexel 1-0828

35th & 1 Streets
Omaha, Neb.
Tel. Market 0199

2503 N. E. 33rd Street
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Tel. Terminal 8-5556

Sauer Cooperage Company
341 Goddard Road
Wyandotte, Michigan
Tel. Avenue 4-6988

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O G Kelley & Co
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Lead Lined Iron Pipe Co
United States Stoneware Co

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Eriez Mfg Co
Infico, Inc
Stearns Magnetic Products

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Plax Corp
Redmanson Corp

DRUMS, NICKEL

Pressed Steel Tank Co

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Buflovak Equipment Div
Delta Tank Mfg Co
Graver Tank & Mfg Co

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Pressed Steel Tank Co
►U S Steel Products Div

Binder Cooperage Co
Buflovak Equipment Div
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Inland Steel Container Co
Newark Steel Drum Co
Redmanson Corp
Rheem Mfg Co, Container Div
Southline Metal Products Co
Vulcan Containers

DRUMS, RUBBER

►Goodall Rubber Co

La Favorite Rubber Mfg Co

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►Greif Bros Cooperage Corp

American Hard Rubber Co Div
Automotive Rubber Co
Chase Chem Corp
Delta Tank Mfg Co
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Graver Tank & Mfg Co
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American Flange & Manufacturing Co. Inc., Villawood, New South Wales, Australia
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►Greif Bros Cooperage Corp
Pressed Steel Tank Co
►U S Steel Products Div

Buflovak Equipment Div
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Geuder, Paeschke & Frey
Graver Tank & Mfg Co
Inland Steel Container Co
Newark Steel Drum Co
Republic Steel Corp
Rheem Mfg Co, Container Div
Southline Metal Products Co
Vulcan Containers

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►U S Steel Products Div

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S Blickman Inc
Buflovak Equipment Div
Delta Tank Mfg Co
Graver Tank & Mfg Co
Inland Steel Container Co
O G Kelley & Co
Edw Renneburg & Sons Co
Republic Steel Corp
Rheem Mfg Co, Container Div
Terriss Div

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Niagara Blower Co

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Controlled Atmosphere Enclosures Mfg Co
Manitowoc Shipbuilding, Fabricating Div
National Drying Machy Co
Nooter Corp
Pittsburgh Lectrodryer Div
Posey Iron Works
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
W S Rockwell Co
W W Sly Mfg Co
F J Stokes Corp
Surface Combustion Corp
Trane Co
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Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
Gas Atmospheres
General American Transportation Corp
Goslin-Birmingham Mfg Co
Hevi-Duty Elec Co
National Drying Machy Co
Nooter Corp
Posey Iron Works
Proctor & Schwartz
Edw Renneburg & Sons Co
W S Rockwell Co
F J Stokes Corp
Wyssmont Co

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Heyl & Patterson

Baker Perkins
Bird Mach Co
Buflovak Equipment Div
Combustion Engrg
DeLaval Separator Co
Hevi-Duty Elec Co
Nooter Corp
W W Sly Mfg Co
Tolhurst Centrifugals Div

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Combustion Engrg
Gas Atmospheres
Leader Iron Works
Nichols Engrg & Research Corp
Posey Iron Works
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Heyl & Patterson

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Baker Perkins
Buflovak Equipment Div
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Combustion Engrg
DeLaval Separator Co
Denver Equipment Co
Despatch Oven Co
Dorr-Oliver Corp
Gas Atmospheres
Goslin-Birmingham Mfg Co
Hardinge Co
Hevi-Duty Elec Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Leader Iron Works
National Drying Machy Co
Nichols Engrg & Research Corp
Nooter Corp
Posey Iron Works
Proctor & Schwartz
Edw Renneburg & Sons Co
Rietz Mfg Co
W S Rockwell Co
Selas Corp of America
Silver Engrg Works
W W Sly Mfg Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Surface Combustion Corp
Western Precipitation Corp
Whiting Corp
Wyssmont Co

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Day Co
Dean Products, Inc
Despatch Oven Co
Fostoria Pressed Steel Corp
Hardinge Co
Hevi-Duty Elec Co
Jeffrey Mfg Co
Kirk & Blum Mfg Co
Link-Belt Co
National Drying Machy Co
Posey Iron Works
Proctor & Schwartz
W S Rockwell Co
W W Sly Mfg Co
Western Precipitation Corp

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Combustion Engrg
Denver Equipment Co
Despatch Oven Co
Fostoria Pressed Steel Corp
Hevi-Duty Elec Co
Jeffrey Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Edw Renneburg & Sons
Nichols Engrg & Research Corp
Posey Iron Works
Proctor & Schwartz Inc
W S Rockwell Co
Silver Engrg Works
W W Sly Mfg Co
Stearns-Roger Mfg Co
Wyssmont Co

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►Kennedy Van Saun Mfg & Engrg Corp
Standard Steel Corp

Allied Steel Products
Allis-Chalmers Mfg Co
Bird Mach Co
Boardman Co
Buflovak Equipment Div
Continental Boiler & Sheet Iron Works
DeLaval Separator Co
Despatch Oven Co
J P Devine Mfg Co
Dravo Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Leader Iron Works
Link-Belt Co
Franklin P Miller & Son
Nooter Corp
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Stearns-Roger Mfg Co
F J Stokes Corp
Sturtevant Mill Co

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Eastman Kodak Co

Allis-Chalmers Mfg Co
Belray Chem Co
Arthur Colton Co
Corning Glass Works
Despatch Oven Co
J E Doyle Co
Fostoria Pressed Steel Corp
Gas Atmospheres
Hevi-Duty Elec Co
Kirk & Blum Mfg Co
Proctor & Schwartz
Edw Renneburg & Sons Co
W S Rockwell Co
W W Sly Mfg Co
Trinity Equipment Corp
Wyssmont Co

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Jeffrey Mfg Co
Link-Belt Co
Sutton, Steele & Steele, Inc
Syntron Co

DRYERS, FLUID BED

Heyl & Patterson

Carrier Conveyor Corp
General American Transportation Corp
Dorr-Oliver, Inc
Silver Engrg Works

DRYERS, FREEZE

Fisher Scientific

Allied Steel Products Corp
Dean Products, Inc
J P Devine Mfg Co
Gas Atmospheres
Goslin-Birmingham Mfg Corp
Kahn & Co
N R C Equipment Corp
F J Stokes Corp
Wyssmont Co

DRYERS, GAS

Barnebey-Cheney Co

American Instrument Co
Delta Tank Mfg Co
Denver Equipment Co
Despatch Oven Co
Gas Atmospheres
Hevi-Duty Elec Co
Jeffrey Mfg Co
Kahn & Co
C M Kemp Mfg Co
National Drying Machy Co
N R C Equipment Corp
Posey Iron Works
J F Pritchard & Co of Cal
Proctor & Schwartz
W S Rockwell Co
Selas Corp of America
W W Sly Mfg Co
Southwest Industries
Stearns-Roger Mfg Co
Trane Co
Trinity Equipment Corp

DRYERS, HORIZONTAL

Standard Steel Corp

Allied Steel Products Corp
Boardman Co
Buflovak Equipment Div
Carrier Conveyor Corp
Fostoria Pressed Steel Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Hardinge Co
Kirk & Blum Mfg Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Nooter Corp
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
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United States Steel Products Division of United States Steel

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Paul O Abbe
Allied Steel Products Corp
American Gas Furnace Co
Buflovak Equipment Div
Davenport Mach & Foundry Co
DeLaval Separator Co
Denver Equipment Co
J P Devine Mfg Co
Dorr-Oliver, Inc
General American Transportation Corp
Konto Co
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
National Drying Machy Co
Nichols Engrg & Research Corp
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Posey Iron Works
Proctor & Schwartz
Edw Renneburg & Sons Co
W S Rockwell Co
Silver Engrg Works
Ernest Scott & Co
Trane Co
Western Precipitation Corp
Whiting Corp
Wyssmont Co

DRYERS, REVOLVING STEAM TUBE & LIFTER TUBE

Standard Steel Corp

Allis-Chalmers Mfg Co
V D Anderson Co
Buflovak Equipment Div
Davenport Mach & Foundry Co
Hardinge Co
General American Transportation Corp
Leader Iron Works
Nooter Corp
Edw Renneburg & Sons Co

DRYERS, ROTARY

Standard Steel Corp

Allied Steel Products Corp
Allis-Chalmers Mfg Co
Barber-Greene Co
Boardman Co
Buflovak Equipment Div
R D Cole Mfg Co
Colonial Iron Works Co
Davenport Mach & Foundry Co
Denver Equipment Co
J P Devine Mfg Co
Downingtown Iron Works
Dravo Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Hardinge Co
Hevi-Duty Elec Co
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Ernest Scott & Co
F L Smidth & Co
Stearns-Roger Mfg Co
F J Stokes Corp
Struthers Wells Corp
Traylor Engrg & Mfg Co

DRYERS, ROTARY KILN

Standard Steel Corp

Allied Steel Products Corp
Allis-Chalmers Mfg Co
American Gas Furnace Co
Boardman Co
Buflovak Equipment Div
Davenport Mach & Foundry Co
Downingtown Iron Works
General American Transportation Corp
Hardinge Co
Hevi-Duty Elec Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Nooter Corp
Nordberg Mfg Co
Posey Iron Works
Edw Renneburg & Sons Co
F L Smidth & Co
Stearns-Roger Mfg Co
Traylor Engrg & Mfg Co

DRYERS, SHELF, VACUUM

Buflovak Equipment Div
J P Devine Mfg Co
N R C Equipment Corp
Ernest Scott & Co
F J Stokes Corp

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Allied Steel Products Corp
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Buflovak Equipment Div
Chempro Equipment Co
De Laval Separator Co
Flexaust Co
Henszey Co
Nichols Engrg & Research Corp
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Edw Renneburg & Sons Co
Whiting Corp
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DRYERS, STEAM-JACKETED

Standard Steel Corp

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Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Chempro Equipment Co
J P Devine Mfg Co
Dravo Corp
Industrial Process Engrs
O G Kelley & Co
Konto Co
Leader Iron Works
Link-Belt Co
Lukens Steel Co
R C Mahon Co
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Patterson Foundry & Mach Co
Patterson-Kelley Co
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Despatch Oven Co
Hevi-Duty Elec Co
Kirk & Blum Mfg Co
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National Drying Machy Co
Posey Iron Works
Proctor & Schwartz
W S Rockwell Co
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W W Sly Mfg Co
F J Stokes Corp
Wyssmont Co

DRYERS, TUNNEL

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Hevi-Duty Elec Co
Kirk & Blum Mfg Co
National Drying Machy Co
Nooter Corp
Posey Iron Works
Proctor & Schwartz
W S Rockwell Co
Selas Corp of America
W W Sly Mfg Co

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Allied Steel Products Corp
Buflovak Equipment Div
Controlled Atmosphere Enclosures Mfg Co
De Laval Separator Co
J P Devine Co
Dravo Corp
Goslin-Birmingham Mfg Co
Leader Iron Works
N R C Equipment Corp
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelly Co
Pfaudler Co Div
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Arthur F Smith Co
F J Stokes Corp

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Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Denver Equipment Co
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Nooter Corp
Ernest Scott & Co
Stearns-Roger Mfg Co
F J Stokes Corp

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Link-Belt Co
National Drying Machy
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Syntron Co
Wyssmont Co

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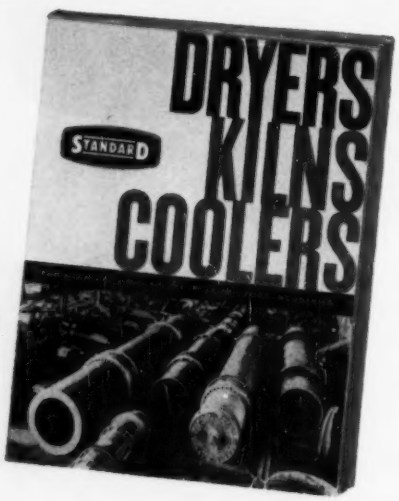
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Alloy Flange & Fitting Corp
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Chase Brass & Copper Co
Continental Boiler & Sheet Iron Works
Electric Steel Foundry Co
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Lincoln Elec Co
Pfaudler Co Div
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A O Smith Corp

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Ampco Metal
Arcos Corp
Crucible Steel Co of America
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National Cylinder Gas Div
Wall Colmonoy Corp

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National Carbon Co Div

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Stackpole Carbon Co
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Gifford-Wood Co
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Link-Belt Co
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Revolvator Co
Stephens-Adamson Mfg Co
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West Bend Equipment

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Union Bag-Camp Paper Corp

American Well Works
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Baughman Mfg Co
Boardman Co
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Brady Conveyors Corp
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Continental Boiler & Sheet Iron Works
J C Corrigan Co
Day Co
Delta Tank Mfg Co
Denver Equipment Co
Frazier & Son
Gifford-Wood Co
Great Western Mfg Co
Greundler Crusher & Pulverizer Co
B F Gump Co
Hayes & Stolz Industrial Co
Jeffrey Mfg Co
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Materials Handling Equipment Co
Edw Renneburg & Sons Co
Standard Conveyor Co
Stephens-Adamson Mfg Co
Sturtevant Mill Co
Syntron Co

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Baughman Mfg Co
Beacon Machy
J C Corrigan Co
Delta Tank Mfg Co
Economy Engrg Co
Flexoveyor Mfg Co
Frazier & Son
Lewis-Shepard Products
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Edw Renneburg & Sons Co
Revolvator Co
Standard Conveyor Co
Uhrden, Inc
West Bend Equipment Corp

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Boardman Co
J C Corrigan Co
Delta Tank Mfg Co
Hayes & Stolz Industrial Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Rapids Machy Co
Read Standard Div
Edw Renneburg & Sons Co

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Link-Belt Co
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West Bend Equipment Corp

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Chicago Pneumatic Tool
Cooper-Bessemer Corp
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Konto Co
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Nooter Corp
A O Smith Corp
Arthur F Smith Co
Stearns-Roger Mfg Co
Trane Co
Vulcan Mfg
Whiting Corp

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S Blickman, Inc
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Hevi-Duty Elec Co
Nooter Corp
Vulcan Mfg
Whiting Corp

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Allied Steel Products Corp
Richard M Armstrong Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Colonial Iron Works Co
Condenser Service & Engrg Co
J P Devine Mfg Co
Falls Industries
Goslin-Birmingham Mfg
Hevi-Duty Elec Co
Leader Iron Works
Manning & Lewis Engrg Co
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Rietz Mfg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Struthers Wells Corp
Submerged Combustion
Thermal Research & Engrg Corp
Vulcan Mfg
Whiting Corp
Wurster & Sanger

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Badger Mfg
Buflovak Equipment Div
Hevi-Duty Elec Co
Rodney Hunt Mach Co
Nooter Corp
W S Rockwell Co
Arthur F Smith Co

EVAPORATORS, FILM TYPE

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Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Condenser Service & Engrg Co
Controlled Atmosphere Enclosures Mfg Co
Chicago Bridge & Iron
Goslin-Birmingham Mfg
Rodney Hunt Mach Co
Konto Co
Nooter Corp
Pfaudler Co Div
Arthur F Smith Co
Stearns-Roger Mfg Co
Trane Co
Vulcan Mfg
Whiting Corp
Wurster & Sanger

EVAPORATORS, FORCED CIRCULATION

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►Henry Vogt Mach Co

Alco Products
Allied Steel Products Corp
Richard M Armstrong Co
Artisan Metal Products
Badger Mfg Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Goslin-Birmingham Mfg Co
Hevi-Duty Elec Co
Rodney Hunt Mach Co
Manning & Lewis Engrg Co
Nooter Corp
Platecoil Div
W S Rockwell Co
Ernest Scott & Co
Stearns-Roger Mfg Co
Trane Co
Vulcan Mfg
Whiting Corp

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Ampco Metal
Richard M Armstrong Co
Artisan Metal Products
Badger Mfg Co
Bell & Gossett Co
Buflovak Equipment Div
Condenser Service & Engrg Co
Dean Products, Inc
Delta Tank Mfg Co
J P Devine Mfg Co
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Rodney Hunt Mach Co
Konto Co
Manning & Lewis Engrg Co
Nooter Corp
Platecoil Div
Ernest Scott & Co
Arthur F Smith Co
Trane Co
Vulcan Mfg
Whiting Corp
York Corp

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National Carbon Co Div

Buflovak Equipment Div
Nooter Corp
Submerged Combustion
Thermal Research & Engrg Corp

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Downingtown Iron Works
Goslin-Birmingham Mfg Co
Nooter Corp
Arthur F Smith Co
Vulcan Mfg
Whiting Corp

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Allied Steel Products Corp
Artisan Metal Products
Badger Mfg Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Cleaver-Brooks Co
Condenser Service & Engrg Co
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Goslin-Birmingham Mfg
Graham Mfg Co
Rodney Hunt Mach Co
Konto Co
Manning & Lewis Engrg Co
N R C Equipment Corp
Nooter Corp
Pfaudler Co Div
Ernest Scott & Co
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Stearns-Roger Mfg Co
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Day Co
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Elliott Co
General Blower Co
General Ceramics Corp
Heil Process Equipment Corp
Joy Mfg Co
Lehigh Fan & Blower Div
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Edw Renneburg & Sons Co
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Penberthy Mfg Co
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Buflovak Equipment Div
Corning Glass Works
Delta Tank Mfg Co
General American Transportation Corp
Metal Textile Corp
T Shriver & Co
Vulcan Mfg

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Artisan Metal Products
Bird Mach Co
Buflovak Equipment Div
Denver Equipment Co
Gifford-Wood Co
Ernest Scott & Co
T Shriver & Co
Trane Co
Vulcan Mfg
Wurster & Sanger

EXTRACTORS, VACUUM

Allied Steel Products Corp
Artisan Metal Products
Bird Mach Co
Buflovak Equipment Div
J P Devine Mfg Co
T Shriver & Co

EXTRUDING MACHINES

Bonnot Co

Baker Perkins
National Drying Machy Co
Proctor & Schwartz
Rietz Mfg Co

F

FACEPIECES

Acme Protection Equipment Co

FANS, CENTRIFUGAL

Niagara Blower Co

American Standard Industrial Div
Boardman Co
Clarage Fan Co
Coppus Engrg Corp
Day Co
DeBothezat Fans Div
Despatch Oven Co
Fly Ash Arrestor Corp
General Blower Co
Heil Process Equipment Corp
Jeffrey Mfg Co
Lehigh Fan & Blower Div
Marlo Coil Co
National Drying Machy Co
Prater Pulverizer Co
Edw Renneburg & Sons Co
Robbins & Myers
Sprout, Waldron & Co
Trane Co
Westinghouse Elec Corp

FANS, COOLING

Clarage Fan Co
Coppus Engrg Corp
Despatch Oven Co
DeBothezat Fans Div
Diehl Mfg Co
Fly Ash Arrestor Corp
Hartzell Propeller Fan Co
Heil Process Equipment Corp
Koppers Co, Metal Products Div
Joy Mfg Co
Lehigh Fan & Blower Div
National Drying Machy Co
National-US Radiator Corp
Reynolds Elec Co
Robbins & Myers
South Bend Air Products
Trane Co
Westinghouse Elec Corp
L J Wing Mfg Co

FANS, EXHAUST

Du Verre, Inc

American Standard Industrial Div
Carl N Beetle Plastics Corp
Boardman Co
Philip Carey Mfg Co
Clarage Fan Co
Coppus Engrg Corp
DeBothezat Fans Div
Despatch Oven Co
Diehl Mfg Co
Fly Ash Arrestor Corp
General Blower Co
General Ceramics Corp
Hartzell Propeller Fan Co
International Engrg Inc
Heil Process Equipment Corp
Jeffrey Mfg Co
Joy Mfg Co
Lehigh Fan & Blower Div
National Drying Machy Co
National-US Radiator Corp
Prater Pulverizer Co
Edw Renneburg & Sons Co
Robbins & Myers
South Bend Air Products
Trane Co
Westinghouse Elec Corp
L J Wing Mfg Co

FANS, FUME REMOVAL

Du Verre, Inc

American Standard Industrial Div
Automotive Rubber Co
Carl N Beetle Plastics Corp
Clarage Fan Co
Coppus Engrg Corp
DeBothezat Fans Div
Despatch Oven Co
Diehl Mfg Co
Fly Ash Arrestor Corp
General Blower Co
Hartzell Propeller Fan Co
Heil Process Equipment Corp
International Engrg Inc
Jeffrey Mfg Co
Joy Mfg Co
Knapp Mills
Manitowoc Shipbuilding, Chem Engrg Service Div
Edw Renneburg & Sons
Robbins & Myers
South Bend Air Products
Trane Co
United States Stoneware Co
Westinghouse Elec Corp
L J Wing Mfg Co

FANS, PORTABLE

Coppus Engrg Corp
DeBothezat Fans Div
Joy Mfg Co
Hartzell Propeller Fan Co
International Engrg Inc
Reynolds Elec Co
Robbins & Myers
South Bend Air Products

FANS, VANEAXIAL

Du Verre, Inc

American Standard Industrial Div
Carl N Beetle Plastics
Coppus Engrg Corp
DeBothezat Fans Div
Hartzell Propeller Fan Co
Heil Process Equipment
International Engrg Inc
Jeffrey Mfg Co
Joy Mfg Co
National Drying Machy Co
Robbins & Myers
Westinghouse Elec Corp
L J Wing Mfg Co

FANS, VENTILATING

American Standard Industrial Div
Philip Carey Mfg Co
Clarage Fan Co
Coppus Engrg Corp
DeBothezat Fans Div
Diehl Mfg Co
Hartzell Propeller Fan Co
Heil Process Equipment
General Blower Co
International Engrg Inc
Jeffrey Mfg Co
Joy Mfg Co
Marlo Coil Co
National-US Radiator Corp
Robbins & Myers
South Bend Air Products
Trane Co
Westinghouse Elec Corp
L J Wing Mfg Co

FASTENINGS, METAL

Ampco Metal
Chase Brass & Copper Co

FEEDERS, AUTOMATIC APRON

►Kennedy Van Saun Mfg & Engrg Corp

J C Corrigan Co
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Materials Handling Equipment Co
National Drying Machy Co
Proctor & Schwartz
Stephens-Adamson Mfg Co
Traylor Engrg & Mfg Co

FEEDERS, BELT GRAVIMETRIC

►Kennedy Van Saun Mfg & Engrg Corp

BIF Industries
Link-Belt Co
Syntron Co
Thayer Scale Corp
Wallace & Tiernan Inc
Weighing & Control Components

FEEDERS, CONSTANT WEIGHT

BIF Industries
Hardinge Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
McDowell Co
Permutit Co
Proctor & Schwartz
Richardson Scale Co
Syntron Co
Thayer Scale Corp
Weighing & Control Components

FEEDERS, CONTINUOUS FLOW

►Fuller Co
Pulva Corp

Allis-Chalmers Mfg Co
Barber-Greene Co
BIF Industries
Carrier Conveyor Corp
Chain Belt Co
Day Co
Denver Equipment Co
Fischer & Porter Co
Graver Water Conditioning Co
B F Gump Co
Hardinge Co
Jeffrey Mfg Co
Lapp Insulator Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Milton Roy Co
National Conveyors Co
National Drying Machy Co
Permutit Co
Pulverizing Machy Div
Richardson Scale Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Syntron Co
Thayer Scale Corp
Weighing & Control Components

FEEDERS, DRY

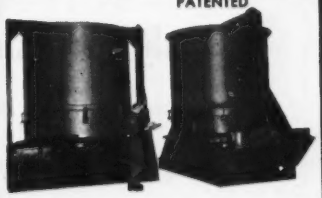
►Fuller Co
Pulva Corp

Allen-Sherman-Hoff Co
BIF Industries
Barber-Greene Co
Carrier Conveyor Corp
Chain Belt Co
Day Co
Denver Equipment Co
Fischer & Porter Co
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
Infilco, Inc
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manufacturers Equipment Co
G Diehl Mateer Co
McDowell Co
Franklin P Miller & Son
National Conveyors Co
National Drying Machy Co
Permutit Co
Prater Pulverizer Co
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
Syntron Co
Thayer Scale Corp
Universal Road Machy Co
Wallace & Tiernan Inc

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McDowell Co

THE
Com-Bin Feeder®
PATENTED



A combination Surge Bin and Feeder for continuous feeding of dry, damp, wet, sticky, difficult to feed materials which give trouble when placed in a conventional bin or hopper.
Produces a positive, uniform, metered feed from pounds per minute to 100 tons per hours or more.

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Ore concentrate, pasty sludges, damp centrifuge or filter press cake dry light solids, putty, etc.

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Representatives in major cities

PULVA Corporation
614 High Street Perth Amboy, N. J.

See company directory for addresses

►See catalog advertisement (Advertisers Index)

FEEDERS, LIQUID

American Water Softener Co
BIF Industries
Clarkson Co
Denver Equipment Co
Fischer & Porter Co
Gallgher Co
Granberg Corp
Graver Water Conditioning Co
Infilco, Inc
Lapp Insulator Co
Harold Kruger Instruments
G Diehl Mateer Co
M.Donnell & Miller
Milton Roy Co
T Shriver & Co
Wallace & Tiernan Inc

FEEDERS, ORE

►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Allis-Chalmers Mfg Co
Barber-Greene Co
BIF Industries
Chain Belt Co
Denver Equipment Co
Gallgher Co
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Materials Handling Equipment Co
McDowell Co
Stephens-Adamson Mfg Co
Syntron Co
Traylor Engrg & Mfg Co

FEEDERS, PLUNGER

►Kennedy Van Saun Mfg & Engrg Corp

Denver Equipment Co
Link-Belt Co
Manzel Unit
Milton Roy Co

FEEDERS, PROPORTIONING

Bonnot Co
►Fuller Co

American Water Softener Co
BIF Industries
Carrier Conveyor Corp
Clark-Cooper Co
Cochrane Corp
Exact Weight Scale Co
Fischer & Porter Co
Granberg Corp
Graver Water Conditioning Co
B F Gump Co
Jeffrey Mfg Co
Lapp Insulator Co
Link-Belt Co
Manzel Unit
G Diehl Mateer Co
McDowell Co
Milton Roy Co
Permutit Co
Pulverizing Machy Div
Richardson Scale Co
T Shriver & Co
Wallace & Tiernan Inc

FEEDERS, RIBBON

J C Corrigan Co
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Materials Handling Equipment Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Thayer Scale Corp

FEEDERS, ROTARY

►Fuller Co
►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Allen-Sherman-Hoff Co
Boardman Co
Brady Conveyors Corp
Chain Belt Co
Day Co
Denver Equipment Co
Dracco Div
Great Western Mfg Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Link-Belt Co
MRM Co
Materials Handling Equipment Co
Franklin P Miller & Son
National Conveyors Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Thayer Scale Corp

FEEDERS, SCREW

J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp

Allis-Chalmers Mfg Co
Boardman Co
J C Corrigan Co
Day Co
Fly Ash Arrestor Corp
Gifford-Wood Co
Great Western Mfg Co
Hayes & Stoltz Industrial Co
Jeffrey Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
McDowell Co
Franklin P Miller & Son
National Conveyors Co
National Drying Machy Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Richardson Scale Co
Sprout, Waldron & Co
Wallace & Tiernan, Inc
Weighing & Control Components

FEEDERS, TABLE

Pulva Corp

Allis-Chalmers Mfg Co
Chain Belt Co
J C Corrigan Co
Denver Equipment Co
Hardinge Co
Jeffrey Mfg Co
Link-Belt Co
MRM Co
Manufacturers Equipment Co
Pulverizing Machy Div
F L Smidth & Co
Traylor Engrg & Mfg Co

FEEDERS, VIBRATING

Barber-Greene Co
Carrier Conveyor Corp
Eriez Mfg Co
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
National Drying Machy Co
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

FEEDERS, VOLUMETRIC

Pulva Corp

BIF Industries
Fischer & Porter Co
B F Gump Co
Hardinge Co
Jeffrey Mfg Co
Lapp Insulator Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Link-Belt Co
G Diehl Mateer Co
Milton Roy Co
National Conveyors Co
Permutit Co
Richardson Scale Co
T Shriver & Co
Sprout, Waldron & Co
Syntron Co
Wallace & Tiernan Inc

FERMENTING EQUIPMENT, INDUSTRIAL

Mixing Equipment Co

Allied Steel Products Corp
Buflovak Equipment Div
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Stainless & Steel Products Co
Star Tank & Filter Corp
Vulcan Mfg
Wendnagel & Co

FERMENTING EQUIPMENT, LAB & PILOT PLANT

Mixing Equipment Co

Allied Steel Products Corp
Buflovak Equipment Div
Leader Iron Works
Pfaudler Co Div
Stainless & Steel Products Co
Star Tank & Filter Corp
Vulcan Mfg

FILLING & CLOSING MACHINES, TUBE

Anderson Bros Mfg Co
Arthur Colton Co
Popper & Sons

FILLING MACHINES, AMPOULE

MRM Co
Popper & Sons

FILLING MACHINES, BOTTLE

F L Burt Co
Arthur Colton Co
Exact Weight Scale Co
First Machy Corp
F M C Packaging Machy Div
Ertel Engrg Corp
Frazier & Son
Girdler Process Equipment Div
B F Gump Co
Karl Kiefer Mach Co
Lapp Insulator Co
C W Logeman Co
MRM Co
G Diehl Mateer Co
Ogden Filter Co
Popper & Sons

FILLING MACHINES, CAPSULE

Arthur Colton Co
Norton Co
Popper & Sons

FILLING MACHINES, LIQUID

Anderson Bros Mfg Co
F L Burt Co
Arthur Colton Co
Crown Cork & Seal Co
Ertel Engrg Corp
First Machy Corp
F M C Packaging Machy Div
Girdler Process Equipment Div
Lapp Insulator Co
C W Logeman Co
MRM Co
G Diehl Mateer Co
Mojonnier Bros Co
Pfaudler Co Div
Popper & Sons
Triangle Package Machy Co

FILLING MACHINES, PASTE

Anderson Bros Mfg Co
F L Burt Co
Arthur Colton Co
F M C Packaging Machy Div
Girdler Process Equipment Div
G Diehl Mateer Co
Triangle Package Machy Co

FILLING MACHINES, POWDER

Exact Weight Scale Co
FMC Packaging Machy Div
Frazier & Son
Manitowoc Shipbuilding, Chem Engrg Service Div
B F Gump Co
G Diehl Mateer Co
Pfaudler Co Div
Triangle Package Machy Co

FILTER AIDS

H Reeve Angel & Co
Barnebey-Cheney Co
Brosites Products Corp
Johns-Manville

Cellulo Co
Eagle-Picher Co
Inhico Inc
Great Lakes Carbon Corp, Dicalite Dept
Hilliard Corp
Sparkler Mfg Co
Wheelabrator Corp

FILTER BAGS, ACID-PROOF

Brosites Products Corp
National Filter Media Corp

American Felt Co
Bemis Bro Bag Co
Denver Equipment Co
Hilliard Corp
Hoosier Tarpaulin & Canvas Goods Co
Filtration Fabrics Div
Independent Filter Press Co
Industrial Filter & Pump Mfg Co
Lamports Co
W W Sly Mfg Co

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woven by

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Nylon
Cotton
Vincel*
Glass
Dynel
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Saran
Orlon***
Polyethylene

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Our engineering and production facilities are at your disposal. We offer you over 40 years of experience in this single field. Write for literature and samples so that you too may save money through proper selection of both fiber and weave.

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"Netone" and "Super Netone" grades for wet strength and chemical resistance.
NFM Natural Kraft for low cost general usage.
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We offer a full range of filter papers in various weights and porosities, in both crepe and plain finishes. Literature and samples sent on request.

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* TM—National Filter Media Corporation
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Chicago, Ill.: 6034 N. Cicero Ave.
Elizabethton, Tenn.: Paul Chapman Assoc., Box 787
Toronto: Lee Bonner Chem, C. P. R. Roadway, 1119 Yonge Street
Mexico City: Maquinaria Minera, Apartado Postal #215
Cincinnati, Ohio: Roselawn Center Bldg.
Houston, Texas: 1607 Jefferson Ave.
Pensacola, Fla.: Chem-Quip Co., 1102 Texar Drive
Montreal: Lee Bonner Chem., 4700 Prince of Wales

See company directory for addresses
►See catalog advertisement (Advertisers Index)

FILTER BAGS, ALKALI-PROOF

Brosites Products Corp
National Filter Media Corp

American Felt Co
Bemis Bro Bag Co
Denver Equipment Co
Filtration Fabrics Div
Hilliard Corp
Independent Filter Press
Industrial Filter & Pump Mfg Co
Lamports Co
W W Sly Mfg Co

FILTER BAGS, GLASS

Brosites Products Corp
National Filter Media Corp

Bemis Bro Bag Co
Filtration Fabrics Div
Hilliard Corp
Lamports Co
W W Sly Mfg Co
Western Precipitation Corp
Wheelabrator Corp

FILTER BAGS, NATURAL FIBER

National Filter Media Corp

American Felt Co
Bemis Bro Bag Co
Day Co
Ducon Co
Filtration Fabrics Div
Hilliard Corp
Hoosier Tarpaulin & Canvas Goods Co
Independent Filter Press Co
Lamports Co
W W Sly Mfg Co
Western Precipitation Corp
Wheelabrator Corp

FILTER BAGS, SYNTHETIC FIBER

Brosites Products Corp
National Filter Media Corp

American Felt Co
Bemis Bro Bag Co
Day Co
Ducon Co
Filtration Fabrics Div
Hilliard Corp
Hoosier Tarpaulin & Canvas Goods Co
Independent Filter Press
Industrial Filter & Pump Mfg Co
Lamports Co
W W Sly Mfg Co
Western Precipitation Corp
Wheelabrator Corp

FILTER CLOTH, ACID-PROOF

Brosites Products Corp
National Filter Media Corp
D R Sperry Co

American Felt Co
Filtration Fabrics Div
Komline-Sanderson Engrg Corp
Newark Wire Cloth Co
T Shriver & Co
W S Tyler Co
United States Rubber Co
Wellington Sears Co

FILTER CLOTH, ALKALI-PROOF

Brosites Products Corp
D R Sperry Co

American Felt Co
Filtration Fabrics Div
Komline-Sanderson Engrg Corp
Newark Wire Cloth Co
T Shriver & Co
W S Tyler Co
United States Rubber Co
Wellington Sears Co

FILTER CLOTH, COTTON

Brosites Products Corp
National Filter Media Corp
D R Sperry Co

Filtration Fabrics Div
Hilliard Corp
Komline-Sanderson Engrg Corp
T Shriver & Co
Standard Wiping Materials
Wellington Sears Co

FILTER CLOTH, METALLIC

Brosites Products Corp
Hercules Filter Corp
D R Sperry Co

Air-Maze Corp
Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Filtration Fabrics Div
Hilliard Corp
Ludlow-Saylor Wire Cloth Co
Micro-Metallic Div
Newark Wire Cloth Co
T Shriver & Co
W S Tyler Co
Unique Wire Weaving Co

FILTER CLOTH, RUBBER

Hercules Filter Corp
National Filter Media Corp

Filtration Fabrics Div
Hilliard Corp
T Shriver & Co

FILTER CLOTH, SYNTHETIC FIBER

Brosites Products Corp
Hercules Filter Corp
National Filter Media Corp
D R Sperry Co

American Felt Co
Filtration Fabrics Div
Hilliard Corp
Komline-Sanderson Engrg
T Shriver & Co
United States Rubber Co
Wellington Sears Co

FILTER CLOTH, WOVEN GLASS

Brosites Products Corp
National Filter Media Corp

Filtration Fabrics Div
Hilliard Corp
Western Precipitation Corp

FILTER CORD

►Gilman Paper Co
National Filter Media Corp

Filtration Fabrics Div

FILTER LEAVES

Brosites Chem Corp
Hercules Filter Corp

American Felt Co
Cambridge Wire Cloth
Croll Reynolds Engrg Co
Independent Filter Press Co
Niagara Filters Div
Industrial Filter & Pump Mfg Co
T Shriver & Co
Sparkler Mfg Co
W S Tyler Co

FILTER MEDIA

Barnebey-Cheney Co
Brosites Products Corp
Eaton-Dikeman Co
Hercules Filter Corp
National Filter Media Corp
D R Sperry Co

Alsop Engrg Corp
American Felt Co
Anthracite Equipment Corp
Cellulo Co
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Filtration Fabrics Div
Filtros, Inc
Graver Water Conditioning Co
Graphite Sales Carbon Co, Graphite Dept
Hilliard Corp
Komline-Sanderson Engrg Corp
Michigan Wire Cloth Co
Micro Metallic Div
Mine Safety Appliances
Norton Co
Ogden Filter Co
Permutit Co
Selas Corp of America
T Shriver & Co
Sparkler Mfg Co
Terriss Div
Unique Wire Weaving Co
United States Rubber Co
Wellington Sears Co

FILTER PAPER, NATURAL FIBERS

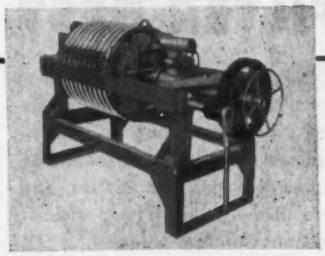
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Brosites Products Corp

(Continued)

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for liquid or air filtration

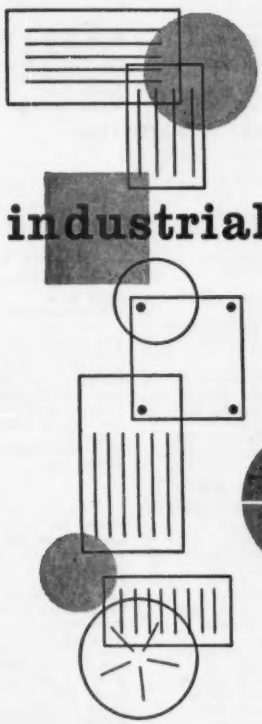
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ASBESTOS PADS—Ten Grades—Sterilizing and Clarifying



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Digby 9-3600



industrial filter papers

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E D ®

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Eaton-Dikeman filter papers have been proven best by chemical processing industries and laboratories. Available in rolls, sheets, squares, rectangles, circles, and irregular die cut forms with or without punched holes.

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SPERRY

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BATAVIA, ILL.

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National Filter Media Corp
D R Sperry Co

Alsop Engrg Corp
Armstrong Cork Co
Cellulo Co
Ertel Engrg Corp
Filtration Fabrics Div
Hilliard Corp
Mine Safety Appliances
T Shriver & Co
Terriss Div

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Fisher Scientific
National Filter Media Corp
D R Sperry Co

Barnstead Still & Sterilizer Co
Filtration Fabrics Div
Mine Safety Appliances
T Shriver & Co

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Hercules Filter Corp
D R Sperry Co

Arrow Tank Co
Carl N Beetle Plastics Corp
Ertel Engrg Corp
Filtros, Inc
Hauser-Stander Tank Co
Hendrick Mfg Co
Independent Filter Press Co
Patterson Foundry & Mach Co
Ernest Scott & Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTER PRESSES, HYDRAULIC

D R Sperry Co

Bird Mach Co
Cellulo Co
S P Kinney Engrs Inc
Leader Iron Works
Patterson Foundry & Mach
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTER PRESSES, LABORATORY

Fisher Scientific
D R Sperry Co

Alsop Engrg Corp
Barnstead Still & Sterilizer Co
Baroid Div, National Lead Co
Bird Mach Co
Ertel Engrg Corp
S P Kinney Engrs Inc
Independent Filter Press Co
T Shriver & Co
Sparkler Mfg Co
Terriss Div

FILTER PRESSES, PLATE & FRAME

Brosites Products Corp
Hercules Filter Corp
D R Sperry Co
►Henry Vogt Mach Co

Bird Mach Co
Cellulo Co
Ertel Engrg Corp
Hilliard Corp
Independent Filter Press Co
Karl Kiefer Mach Co
Ogden Filter Co
Patterson Foundry & Mach Co
Ernest Scott & Co
T Shriver & Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Terriss Div
Wurster & Sanger

FILTERS, ACID-RESISTING

Brosites Products Corp
Hercules Filter Corp
National Carbon Co Div
D R Sperry Co

R P Adams Co
Allied Steel Products Corp
Alsop Engrg Corp
BIF Industries
Bird Mach Co
Buffalo Hammer Mill Corp
Buflovak Equipment Div
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Co
Dorr-Oliver Inc
Ertel Engrg Corp
Filtration Engrg Div
Filtros, Inc
General Ceramics Corp
Goslin-Birmingham Mfg Co
Hilliard Corp
Independent Filter Press Co
Industrial Filter & Pump Mfg Co
S P Kinney Engrs Inc
Knapp Mills
Komline-Sanderson Engrg Corp
Micro Metallic Div
Newark Wire Cloth Co
Ogden Filter Co
Ronningen-Petter Co
Selas Corp of America
T Shriver & Co
Star Tank & Filter Corp
Terriss Div
United States Stoneware Co
Whiting Corp

FILTERS, AIR

Barnebey-Cheney Co

R P Adams Co
Air-Maze Corp
Allied Witan Co
Bailey Meter Co
Barnstead Still & Sterilizer Co
Cambridge Filter Corp
Chicago Pneumatic Tool Co
Commercial Filters Corp
Conoflow Corp
Controlled Atmosphere Enclosures Mfg Co
Coppus Engrg Corp
Cuno Engrg Corp
Ducon Co
Electro-Air Cleaner Co
Filtros, Inc
Gardner-Denver Co
Hoke, Inc
Johnson Corp
Kahn & Co
Kaye & MacDonald
Lincoln Engrg Co Div
Mason-Neilan Div
Micro Metallic Div
Mine Safety Appliances
Selas Corp of America
W W Sly Mfg Co
Terriss Div
Trinity Equipment Corp
Western Precipitation Corp
Wheelabrator Corp

FILTERS, AIR, AUTOMATIC SELF-CLEANING

Air-Maze Corp
Brady Conveyors Corp
Cuno Engrg Corp
Day Co
Electro-Air Cleaner Co
Kaye & MacDonald
Pulverizing Machy Div
W W Sly Mfg Co
Western Precipitation Corp

FILTERS, AIR, DRY

Barnebey-Cheney Co

R P Adams Co
Air-Maze Corp
Cambridge Filter Corp
Commercial Filters Corp
Coppus Engrg Corp
Cuno Engrg Corp
Ducon Co
Electro-Air Cleaner Co
Gardner-Denver Co
Hilliard Corp
Hoke, Inc
Kahn & Co
Lincoln Engrg Co Div
Micro Metallic Div
Mine Safety Appliances
Pulverizing Machy Div
Selas Corp of America
W W Sly Mfg Co
Trinity Equipment Corp
Western Precipitation Corp

FILTERS, AIR, VISCOUS

R P Adams Co
Air-Maze Co
Commercial Filters Corp
Electro-Air Cleaner Co
Hoke, Inc
Metal Textile Corp
Mine Safety Appliances

FILTERS, ASBESTOS DISK

Brosites Products Corp
Hercules Filter Corp
National Filter Media Corp

Alsop Engrg Corp
Cellulo Co
Ertel Engrg Corp
Hilliard Corp
Ogden Filter Co
Star Tank & Filter Corp
Terriss Div

FILTERS, CARBON

Barnebey-Cheney Co
Hercules Filter Corp
Illinois Water Treatment Co
National Carbon Co Div

American Water Softener Co
Chem-Pure Service Co
Cochrane Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Elgin Softener Corp
Ertel Engrg Corp
Everpure, Inc
Falls Industries
Filtros, Inc
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
Infilco Inc
Los Angeles Water Softener Co
Niagara Filters Div
Ogden Filter Co
Permutit Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTERS, CENTRIFUGAL

Baker Perkins
Bird Mach Co
De Laval Separator Co
Tolhurst Centrifugals Div
Western States Mach Co

FILTERS, CLARIFYING

Brosites Products Corp
Hercules Filter Corp
D R Sperry Co

Alsop Engrg Corp
Bird Mach Co
Cellulo Co
Chem-Pure Service Co
Cochrane Corp
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
Cuno Engrg Corp
DeLaval Separator Co
Dorr-Oliver, Inc
Elgin Softener Corp
Ertel Engrg Corp
Everpure, Inc
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Hilliard Corp
Komline-Sanderson Engrg Corp
Micro Metallic Div
Niagara Filters Div
Ogden Filter Co
Permutit Co
Ronnington-Petter Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTERS, COLOR

Barnebey-Cheney Co

Bausch & Lomb Optical Co
Cellulo Co
Corning Glass Works
Eastman Kodak Co
Filtration Engrs Div
Niagara Filters Div
Permutit Co
T Shriver & Co

FILTERS, CONTINUOUS ROTARY

Air-Maze Corp
American Well Works
Bird Mach Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Cuno Engrg Corp
Denver Equipment Co
Dorr-Oliver, Inc
Filtration Engrs Div
Goslin-Birmingham Mfg
S P Kinney Engrs Inc
Komline-Sanderson Engrg Corp
Posey Iron Works
Edw Renneburg & Sons Co
Ronningen-Petter Co
Whiting Corp

►See catalog advertisement (Advertisers Index)

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FILTERS, DISPOSABLE CARTRIDGE

Allied Steel Products Corp
Alsop Engrg Corp
American Felt Co
S Blickman, Inc
Buffalo Hammer Mill Corp
Cambridge Filter Corp
Commercial Filters Corp
Controlled Atmosphere Enclosures Mfg Co
Cuno Engrg Corp
Hilliard Corp
Industrial Filter & Pump Mfg Co
Kahn & Co
Mine Safety Appliances
Ogden Filter Co
Terriss Div
Trinity Equipment Corp
Warner Lewis Co

FILTERS, DRUM VACUUM

Bird Mach Co
Chicago Bridge & Iron Co
Denver Equipment Co
Dorr-Oliver, Inc
Filtration Engrs Div
Goslin-Birmingham Mfg
Komline-Sanderson Engrg Corp
Sparkler Mfg Co
Whiting Corp

FILTERS, DUST

R P Adams Co
Air-Maze Corp
Cambridge Filter Corp
Controlled Atmosphere Enclosures Mfg Co
Day Co
Dracco Div
Dracco Corp
Mine Safety Appliances
National Conveyors Co
Pulverizing Machy Div
W W Sly Mfg Co
Torit Mfg Co
Western Precipitation Corp
Wheelabrator Corp

FILTERS, FEED WATER

Barnebey-Cheney Co
Hercules Filter Corp

R P Adams Co
Alsop Engrg Corp
American Water Softener Co
BIF Industries
Buffalo Hammer Mill Corp
Cellulo Co
Chem-Pure Service Co
Cochrane Corp
Commercial Filters Corp
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
Elgin Softener Corp
Elliott Co
Ertel Engrg Corp
Graver Water Conditioning Co
Hoke, Inc
Niagara Filters Div
Permutit Co
Ronningen-Petter Co
T Shriver & Co
Sparkler Mfg Co
Terriss Div

FILTERS, GAS

Barnebey-Cheney Co

Acme Protection Equipment Co
R P Adams Co
Air-Maze Corp
Cambridge Filter Corp
Commercial Filters Corp
Cuno Engrg Corp
Engelhard Industries
Hilliard Corp
Hoke, Inc
Micro Metallic Div
Mine Safety Appliances
Selas Corp of America
Terriss Div
Van Products Co
Warner Lewis Co
Western Precipitation Corp

FILTERS, GLASS FIBER

Alsop Engrg Corp
Commercial Filters Corp
Dorr-Oliver, Inc
Hilliard Corp
Micro-Metallic Div
Mine Safety Appliances
Warner Lewis Co

FILTERS, GRAVITY

Hercules Filter Corp
Illinois Water Treatment Co

Alsop Engrg Corp
Buffalo Hammer Mill Corp
Chem-Pure Service Co
Commercial Filters Corp
Filtros, Inc
General Ceramics Corp
Hilliard Corp
Graver Water Conditioning Co
Infilco Inc
Permutit Co
Sparkler Mfg Co
Terriss Div
United States Stoneware Co

FILTERS, HORIZONTAL

Hercules Filter Corp

Air-Maze Corp
Alsop Engrg Corp
Bird Mach Co
Buffalo Hammer Mill Corp
Cochrane Corp
Condenser Service & Engrg Co
Dorr-Oliver, Inc
Ertel Engrg Corp
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
S P Kinney Engrs Inc
Komline-Sanderson Engrg Corp
Niagara Filters Div
Permutit Co
T Shriver & Co
Sparkler Mfg Co
Warner Lewis Co

FILTERS, INDUSTRIAL SHEET

Hercules Filter Corp

Cellulo Co
Ertel Engrg Corp

FILTERS, JACKETED

Hercules Filter Corp
D R Sperry Co

R P Adams Co
Air-Maze Corp
Alsop Engrg Corp
Bird Mach Co
Buffalo Hammer Mill Corp
Buflovak Equipment Div
Croll Reynolds Engrg Co
Cuno Engrg Corp
Dorr-Oliver, Inc
Ertel Engrg Corp
General Ceramics Corp
Goslin-Birmingham Mfg Co
Industrial Filter & Pump Mfg Co
Micro Metallic Div
Niagara Filters Div
T Shriver & Co
Sparkler Mfg Co

FILTERS, LABORATORY

Brosites Products Corp
Fisher Scientific
Hercules Filter Corp
D R Sperry Co
Standard Scientific Supply Corp

Air-Maze Corp
Alsop Engrg Corp
Bird Mach Co
Buffalo Hammer Mill Corp
Cellulo Co
Commercial Filters Corp
Controlled Atmosphere Enclosures Mfg Co
Corning Glass Works
Croll Reynolds Engrg Co
Denver Equipment Co
Ertel Engrg Corp
Gallgher Co
Independent Filter Press
Komline-Sanderson Engrg Corp
Micro Metallic Div
Niagara Filters Div
Norton Co
Read Standard Div
Ronningen-Petter Co
Selas Corp of America
T Shriver & Co
Sparkler Mfg Co
Terriss Div
United States Stoneware Co

FILTERS, LEAF

Brosites Products Corp
Hercules Filter Corp
National Carbon Co Div

Bird Mach Co
Croll Reynolds Engrg Co
Dorr-Oliver, Inc
Goslin-Birmingham Mfg Co
Hilliard Corp
Leader Iron Works
Industrial Filter & Pump Mfg Co
Niagara Filters Div
Patterson Foundry & Mach Co
T Shriver & Co
Sparkler Mfg Co

FILTERS, MAGNETIC

Air-Maze Corp
Infilco, Inc
Micro Metallic Div
Stearns Magnetic Products

FILTERS, MILLIPORE

R P Adams Co

FILTERS, OIL

Hercules Filter Corp
D R Sperry Co

Air-Maze Corp
Alsop Engrg Corp
Buffalo Hammer Mill Corp
Cellulo Co
Cochrane Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
DeLaval Separator Co
Ertel Engrg Co
Graver Water Conditioning Co
Hilliard Corp
Hoke Inc
Infilco Inc
Kahn & Co
S P Kinney Engrs Inc
Micro Metallic Div
Ogden Filter Co
Ronningen-Petter Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div
Trinity Equipment Corp
Warner Lewis Co

FILTERS, PAINT & VARNISH

Hercules Filter Corp
D R Sperry Co

Air-Maze Corp
Allied Steel Products Corp
Alsop Engrg Corp
American Felt Co
Buffalo Hammer Mill Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Komline-Sanderson Engrg Corp
Niagara Filters Div
Sparkler Mfg Co
Star Tank & Filter Corp
T Shriver & Co
Terriss Div

FILTERS, PAN

Bird Mach Co
Buflovak Equipment Div
Denver Equipment Co
Dorr-Oliver, Inc
Filtration Engrs Div

FILTERS, PILOT

Hercules Filter Corp
D R Sperry Co

Alsop Engrg Corp
Bird Mach Co
Commercial Filters Corp
Croll Reynolds Engrg Co
Denver Equipment Co
Ertel Engrg Corp
Filtration Engrs Div
Komline-Sanderson Engrg Corp
General Ceramics Corp
Micro Metallic Div
Niagara Filters Div
Read Standard Div
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Whiting Corp

FILTERS, PIPE LINE

R P Adams Co
Air-Maze Corp
Alsop Engrg Corp
Buffalo Hammer Mill
Cambridge Filter Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
General Ceramics Corp
Hilliard Corp
Kaye & Maconald
S P Kinney Engrs Inc
Newark Wire Cloth Co
H A Phillips & Co
Ronningen-Petter Co
Terriss Div
Warner Lewis Co

FILTERS, PLATING

Hercules Filter Corp
D R Sperry Co

R P Adams Co
Air-Maze Corp
Alsop Engrg Corp
Cellulo Co
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Hilliard Corp
Niagara Filters Div
Ogden Filter Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp

FILTERS, PRE-COAT

Hercules Filter Corp
D R Sperry Co

R P Adams Co
Bird Mach Co
Commercial Filters Corp
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
Dorr-Oliver, Inc
Elgin Softener Corp
Ertel Engrg Corp
Everpure, Inc
Filtration Engrs Div
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Hilliard Corp
Independent Filter Press
Industrial Filter & Pump Mfg Co
S P Kinney Engrs Inc
Komline-Sanderson Engrg Corp
Los Angeles Water Softener Co
Leader Iron Works
Niagara Filters Div
Ogden Filter Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTERS, PRESSURE

Brosites Products Corp
Hercules Filter Corp
D R Sperry Co

R P Adams Co
Alsop Engrg Corp
Bird Mach Co
Buffalo Hammer Mill Corp
Buflovak Equipment Div
Cambridge Filter Corp
Cellulo Co
Chem-Pure Service Co
Chicago Bridge & Iron Co
Cochrane Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Delta Tank Mfg Co
Denver Equipment Co
Dorr-Oliver, Inc
Elgin Softener Corp
Ertel Engrg Corp
Filtration Engrs Div
General Ceramics Corp
Goslin-Birmingham Mfg Co
Graver Water Conditioning Co
Hilliard Corp
Industrial Filter & Pump Mfg Co
Infilco Inc
Kaye & MacDonald
S P Kinney Engrs Inc
Los Angeles Water Softener Co
Micro Metallic Div
Niagara Filters Div
Ogden Filter Co
Patterson Foundry & Mach Co
Permutit Co
Ronningen-Petter Co
T Shriver & Co
Sparkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTERS, REFRIGERATED

R P Adams Co
Air Products, Inc, Process Equip Div
Alsop Engrg Corp
Ertel Engrg Corp
T Shriver & Co

FILTERS, SAND

Illinois Water Treatment Co

American Water Softener Co
Chem-Pure Service Co
Cochrane Corp
Delta Tank Mfg Co
Denver Equipment Co
Dorr-Oliver, Inc
Graver Water Conditioning Co
Hardinge Co
Industrial Filter & Pump Mfg Co
Infilco Inc
S P Kinney Engrs Inc
Los Angeles Water Softener Co
Permutit Co
Star Tank & Filter Corp
Terriss Div

FILTERS, SELF-CLEANING

Hercules Filter Corp

R P Adams Co
American Felt Co
Bird Mach Co
Croll Reynolds Engrg Co
Cuno Engrg Corp
De Laval Separator Co
Filtration Engrs Div
S P Kinney Engrs Inc
Pulverizing Machy Div
Sparkler Mfg Co

FILTERS, SINTERED

R P Adams Co
Chempro Equipment Co
Corning Glass Works
Cuno Engrg Corp
Kahn & Co
Kaye & MacDonald
S P Kinney Engrs Inc
Micro Metallic Div

FILTERS, STEAM HEATED

D R Sperry Co

R P Adams Co
Alsop Engrg Corp
Buflovak Equipment Div
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Hilliard Corp
T Shriver & Co

FILTERS, SUCTION, ACID-PROOF STONEWARE

General Ceramics Corp
Maurice A Knight Co
United States Stoneware Co

FILTERS, TANK

Allied Steel Products Corp
Alsop Engrg Corp
American Water Softener Co
Boardman Co
Croll Reynolds Engrg Co
Cuno Engrg Corp
Delta Tank Mfg Co
Filtros, Inc
Goslin-Birmingham Mfg Co
Hilliard Corp
Kahn & Co
S P Kinney Engrs Inc
Niagara Filters Div
Nooter Corp
Ogden Filter Co
Pulverizing Machy Div
T Shriver & Co
Sparkler Mfg Co
Terriss Div

FILTERS, TUBULAR

National Carbon Co Div

R P Adams Co
Allied Steel Products Corp
Corning Glass Works
Croll Reynolds Engrg Co
Ducon Co
Ertel Engrg Corp
Filtros, Inc
Industrial Filter & Pump Mfg Co
National Conveyors Co
Norton Co
Ogden Filter Co
Terriss Div

FILTERS, VACUUM

Fisher Scientific
Hercules Filter Corp

Arrow Tank Co
BIF Industries
Bird Mach Co
Buffalo Hammer Mill Corp
Buffovak Equipment Div
Central States Paper & Bag Co
Chicago Bridge & Iron Co
Delta Tank Mfg Co
Denver Equipment Co
Filtration Engrs Div
Filtros, Inc
General Ceramics Corp
Goslin-Birmingham Mfg Co
Hauser-Stander Tank Co
Komline-Sanderson Engrg Corp
N R C Equipment Corp
Nocter Corp
Ernest Scott & Co
T Shriver & Co
Soarkler Mfg Co
United States Stoneware Co
Whiting Corp

FILTERS, VERTICAL

Hercules Filter Corp
D R Sperry Co

R P Adams Co
Air-Maze Corp
Alsop Engrg Corp
American Water Softener Co
Buffalo Hammer Mill Corp
Cochrane Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Graver Water Conditioning Co
General Ceramics Corp
Industrial Filter & Pump Mfg Co
Niagara Filters Div
Permutit Co
Pulverizing Machy Div
T Shriver & Co
Soarkler Mfg Co
Warner Lewis Co

FILTERS, WATER

Barnebey-Cheney Co
Hercules Filter Corp
Illinois Water Treatment Co
D R Sperry Co

R P Adams Co
Alsop Engrg Corp
American Felt Co
American Water Softener Co
BIF Industries
Buffalo Hammer Mill Corp
Cellulo Co
Chem-Pure Service Co
Cochrane Corp
Commercial Filters Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
DeLaval Separator Co
Elgin Softener Corp
Ertel Engrg Corp
Everpure, Inc
Filtros, Inc
Graver Water Conditioning Co
Hilliard Corp
Hoke, Inc
Industrial Filter & Pump Mfg Co
Infilco Inc
S P Kinney Engrs Inc
Micro Metallic Div
Niagara Filters Div
Oaden Filter Co
Permutit Co
Ronningen-Petter Co
T Shriver & Co
Soarkler Mfg Co
Star Tank & Filter Corp
Terriss Div

FILTERS, WELL

R P Adams Co
Buffalo Hammer Mill Corp
Croll Reynolds Engrg Co
Cuno Engrg Corp
Ertel Engrg Corp
Filtros Inc
Industrial Filter & Pump Mfg Co
S P Kinney Engrs Inc
Permutit Co
Ronnington-Petter Co

FIRE BLANKETS

Johns-Manville

Hoosier Tarpaulin & Canvas Goods Co
A E Halperin Co

FIRE DETECTORS

Cardox Div

Falcon Alarm Co
Fenwal, Inc
Grinnell Co
Walter Kidde & Co
Kidde Ultrasonic & Detection Alarms
Victory Engrg Corp

FIRE EXTINGUISHERS

Ansul Chem Co
Cardox Div
Fisher Scientific

American LaFrance Div
Fenwal, Inc
Walter Kidde & Co
M L Snyder & Son

FIRE PROTECTION SYSTEMS

Ansul Chem Co
Cardox Div

American LaFrance Div
Falcon Alarm Co
Fenwal, Inc
Grinnell Co
Walter Kidde & Co

FIRST AID EQUIPMENT

A E Halperin Co
Mine Safety Appliances
Pepper & Sons

FITTINGS, AIR HOSE

Alemite Div
Anchor Coupling Co
Chicago Pneumatic Tool
Flexonics Corp
Gray Co
Hose Accessories Co
Le Roi Div
Lincoln Engrg Co Div
Parker Fittings & Hose Div
Reed Roller Bit Co
Walworth Co

FITTINGS, CONDUIT, ELECTRIC

Johns-Manville

Clayton Mark & Co
Killark Elec Mfg Co

FITTINGS, FLANGED

Dow Chem Co
►Resistoflex Corp
►Henry Vogt Mach Co

Alloy Flange & Fitting Corp
Ampco Metal
Anchor Coupling Co
Chase Brass & Copper Co
Dresser Mfg Div
Electric Steel Foundry Co
Fibercast Co
Flexonics Corp
B F Goodrich Industrial Prod Co, Plastics
Grinnell Co
Speedline Fittings Div
Star Tank & Filter Corp
Stockham Valves & Fittings
Walworth Co

FITTINGS, FORGED, SCREWED & SOCKET

►Henry Vogt Mach Co

Alloy Flange & Fitting Corp
Anchor Coupling Co
Camco Fittings, Inc
Crane Co
Harvey Aluminum
Ladish Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Snap-Tite, Inc
Walworth Co

FITTINGS, HIGH PRESSURE

►Henry Vogt Mach Co

Aerequip Corp
Allied Steel Products Corp
Alloy Flange & Fitting Corp
American Instrument Co
Ampco Metal
Anchor Coupling Co
Camco Fittings, Inc
Champ Industries
Electric Steel Foundry Co
Flexonics Corp
Imperial Brass Mfg Co
Ladish Co
Lincoln Engrg Co Div
Midwest Piping Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Snap-Tite, Inc
Stainless Products, Inc
Star Tank & Filter Corp
Walworth Co

FITTINGS, HYDRAULIC HOSE

►Goodall Rubber Co
►Resistoflex Corp

Alemite Div
Anchor Coupling Co
Champ Industries
Flexonics Corp
Gray Co
Imperial Brass Mfg Co
Lincoln Engrg Co Div
Parker Fittings & Hose Div
Snap-Tite, Inc
Walworth Co

FITTINGS, IMPACT

Electric Steel Foundry Co
Harvey Aluminum
Walworth Co

FITTINGS, PIPE

Dow Chem Co
Johns-Manville
National Carbon Co Div
►Resistoflex Corp

Allied Steel Products Corp
Alloy Flange & Fitting Corp
Ampco Metal
Anchor Coupling Co
Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Camco Fittings, Inc
Chase Brass & Copper Co
Corning Glass Works
Crane Co
Crucible Steel Co of America
Dresser Mfg Div
Electric Steel Foundry Co
Evans Pipe Co
Falls Industries
Fibercast Co
B F Goodrich Industrial Prod Co, Plastics
Grinnell Co
International Nickel Co
Ladish Co
Logan Clay Products Co
Midwest Piping Co
Parker Fittings & Hose Div
Parks-Cramer Co
H K Porter Co, Forge & Fittings Div
Robinson Clay Product Co
A O Smith Corp
Speedline Fittings Div
Star Tank & Filter Corp
Stockham Valves & Fittings
Swepco Tube Corp
Tube Turns Div
Tube Turns Plastics
Victaulic Co of America
Walworth Co
Welding Fittings Corp

FITTINGS, PIPE, IRON

United States Pipe & Foundry Co

Dresser Mfg Div
Grinnell Co
Ladish Co
Marley Co
Stockham Valves & Fittings
Victaulic Co of America
Walworth Co

FITTINGS, PIPE, LEAD LINED FORGED STEEL

American Smelting & Refining Co
O G Kelley & Co
Knapp Mills
Lead Lined Iron Pipe Co
Resisto Pipe & Valve Co
Walworth Co

FITTINGS, PIPE, ALLOY STEEL

►Henry Vogt Mach Co

Allied Steel Products Corp
Alloy Flange & Fitting Corp
Camco Fittings, Inc
Crane Co
Crucible Steel Co of America
Electric Steel Foundry Co
Ladish Co
Midwest Piping Co
Parker Fittings & Hose Div
Horace T Potts Co
Speedline Fittings Div
Stainless Products, Inc
Star Tank & Filter Corp
Swepco Tube Corp
Tube Turns Div
W-K-M Co
Walworth Co
Welding Fittings Corp

FITTINGS, PIPE, FORGED STEEL

►Henry Vogt Mach Co

Alloy Flange & Fitting Corp
Automotive Rubber Co
Camco Fittings, Inc
Crane Co
Dresser Mfg Div
Ladish Co
LaFavorite Rubber Mfg Co
Lenape Hydraulic Pressing & Forging Co
Parker Fittings & Hose Div
Tube Turns Div
Walworth Co

FITTINGS, PIPE, PLASTIC

Dow Chem Co
►Goodall Rubber Co
►Resistoflex Corp

Alpha Plastics
American Hard Rubber Co Div
Chicago Gasket Co
Clayton Mark & Co
Evanite Plastic Co
Fibercast Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Grinnell Co
Luzerne Rubber Co
Schori Process Div
Spiral-Glas Pipe Co
Tube Turns Plastics
United States Rubber Co
Victaulic Co of America
Walworth Co
Wyatt's Plastics, Inc

FITTINGS, RUBBERLINE

American Hard Rubber Co Div
Chase Chem Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Knapp Mills
LaFavorite Rubber Mfg Co
Plastic Applicators
United States Rubber Co
Wyatt's Plastics, Inc

FITTINGS, SANITARY

Alloy Products Corp
Ladish Co
Ladish Co, Tri-Clover Div
Stockham Valves & Fittings

FITTINGS, SEAMLESS

Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Grinnell Co
Ladish Co
Tube Turns Div
Welding Fittings Corp

FITTINGS, STEEL, BARREL & DRUM

Protecteseal Co

FITTINGS, TANK

Allied Steel Products Corp
Arrow Tank Co
Boardman Co
Flexi-Liner Co
Protectoseal Co
Shand & Jurs Co
Star Tank & Filter Corp
Terriss Div
Wickwire Spencer Steel Div

FITTINGS, TUBING

Dow Chem Co

Aeroquip Corp
Allied Steel Products Corp
American Brass Co
Anchor Coupling Co
Chase Brass & Copper Co
Dresser Mfg Div
Imperial Brass Mfg Co
Harold Kruger Instruments
Parker Fittings & Hose Div
Star Tank & Filter Corp
Swepco Tube Corp

FITTINGS, VACUUM

Dow Chem Co

Air Products, Inc: Process Equip Div
Laboratory Furniture Co
N R C Equipment Corp
Stockham Valves & Fittings

FITTINGS, WELDING

►Henry Vogt Mach Co

Allied Steel Products Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Crane Co
Dresser Mfg Div
Electric Steel Foundry Co
Grinnell Co
Ladish Co
Midwest Piping Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Speedline Fittings Div
Star Tank & Filter Corp
Tube Turns Div
Walworth Co
Welding Fittings Corp

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FITTINGS, WELDING CARBON STEEL

►Allied Chem Corp, Semet-Solvay Engrg Div
►Henry Vogt Mach Co

Babcock & Wilcox Co, Tubular Products Div
Crane Co
Dresser Mfg Div
Grinnell Co
Ladish Co
Midwest Piping Co
Parker Fittings & Hose Div
H K Porter Co, Forge & Fittings Div
Star Tank & Filter Corp
Tube Turns Div
Walworth Co

FITTINGS, WELDING STAINLESS STEEL

►Allied Chem Corp, Semet-Solvay Engrg Div
►Henry Vogt Mach Co

Allied Steel Products Corp
Alloy Flange & Fitting Corp
Alloy Products Corp
Babcock & Wilcox Co, Tubular Products Div
Cleveland Vibrator Co
Electric Steel Foundry Co
Flowline Corp
Grinnell Co
Ladish Co
Michigan Standard Alloy Casting Co
Micro Metallic Div
Midwest Piping Co
Parker Fittings & Hose Div
Speedline Fittings Div
Stainless Products, Inc
Star Tank & Filter Corp
Swepco Tube Corp
Terriss Div
Tube Turns Div
Walworth Co
Welding Fittings Corp

FLAKERS

Allis-Chalmers Mfg Co
Alten Foundry & Mach Works
Buflovak Equipment Div
Clayton Mark & Co
J P Devine Mfg Co
Franklin P Miller & Son

FLAME ARRESTERS

R P Adams Co
Air-Maze Corp
Black, Sivalls & Bryson
Chemiquip Co
Metal Textile Corp
Protectoseal Co
Shand & Jurs Co

FLANGES, BUNG

American Flange & Mfg Co

Chemiquip Co

FLANGES, DRUM

American Flange & Mfg Co

FLANGES, PIPE

►Allied Chem Corp, Semet-Solvay Engrg Div
Dow Chem Co
►Henry Vogt Mach Co

Allied Steel Products Corp
Alloy Flange & Fitting Corp
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Bryant Industrial Products
Day Co
Electric Steel Foundry Co
Fibercast Co
Flowline Corp
Grinnell Co
Ladish Co
Lenape Hydraulic Pressing & Forging Co
Pennsylvania Forge Div
Speedline Fittings Div
Spiral-Glas Pipe Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Div
Tube Turns Plastics
Welding Fittings Corp
Wickwire Spencer Steel Div

FLOATS

Clayton Mark & Co
Luzerne Rubber Co
Robinson Clay Product Co
Shand & Jurs Co
Terriss Div

FLOORING, ACID-PROOF

National Carbon Co Div

Electro Chem Engrg & Mfg Co
Flexi-Liner Co
Heil Process Equipment Corp
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
Nukem Products Corp
Stonhard Co
United States Stoneware Co

FLOORING, ASPHALT

Johns-Manville

Armstrong Cork Co
Phillip Carey Mfg Co

FLOORING, BRICK

Electro Chem Engrg & Mfg Co
United States Stoneware Co

FLOORING, CARBON

National Carbon Co Div

FLOORING, CORK

Armstrong Cork Co

FLOORING, IRON AND STEEL

Dravo Corp
Hendrick Mfg Co
Klemp Metal Grating Corp
Nukem Products Corp

FLOORING, RUBBER

Armstrong Cork Co
United States Rubber Co

FLOORING, VINYL

Johns-Manville

FLOTATION EQUIPMENT

Mixing Equipment Co

Denver Equipment Co
Graver Water Conditioning Co
Galigher Co
Stearns-Roger Mfg Co

FLOTATION MACHINERY

Mixing Equipment Co

Denver Equipment Co
Galigher Co
Graver Water Conditioning Co
Stearns-Roger Mfg Co
Sutton, Steele & Steele, Inc

FLOW CONTROL EQUIPMENT METERS

Bailey Meter Co
Beckman Instruments, Berkeley Div
BIF Industries
Bristol Co
Brooks Rotameter Co
Eclipse Fuel Engrg Co
Fischer & Porter Co
Foxboro Co
Granberg Corp
Hallikainen Instruments
Hays Corp
Henszey Co
Inertial Instruments
Infilco, Inc
Lapp Insulator Co
Mason-Neilan Div
National Instrument Labs Inc
Norwood Controls
Republic Flow Meters Co
Wallace & Tiernan Inc

FLOW CONTROL EQUIPMENT RESPONSIVE DEVICES

Bailey Meter Co
BIF Industries
Bristol Co
Conoflow Corp
Fischer & Porter Co
Foxboro Co
Granberg Corp
Jordan Co
Lapp Insulator Co
Magnetrol, Inc
Mason-Neilan Div
McDonnell & Miller
Milton Roy Co
Moore Products Co
North American Mfg Co
Norwood Controls
Republic Flow Meters Co
Swartwout Co
United States Elec Motors

FLOW CONTROL SYSTEMS

Bailey Meter Co
BIF Industries
Bristol Co
Brooks Rotameter Co
A W Cash Co
Consolidated Electrodynamics
Fischer & Porter Co
Foxboro Co
General Controls Co
Infilco Inc
Jordan Co
W A Kates Co
Lapp Insulator Co
Milton Roy Co
National Instrument Labs Inc
North American Mfg Co
Norwood Controls
Rapids-Standard Co
Reliance Elec & Engrg Co
Republic Flow Meters Co
Richardson Scale Co
Swartwout Co

FLUOROPHOTOMETERS

Fisher Scientific

FLUXES, BRAZING

Ampco Metal
Chase Brass & Copper Co
Dalweld Co
Engelhard Industries
Handy & Harman
International Nickel Co
Linde Co

FOIL—ALUMINUM, TIN, ZINC, ETC.

American Smelting & Refining Co
Engelhard Industries
Revere Copper & Brass

FORGINGS, ALUMINUM

Bridgeport Brass Co
Chase Brass & Copper Co
Harvey Aluminum
Ladish Co
Pettibone Mulliken Corp
H K Porter Co, Forge & Fittings Div
Revere Copper & Brass

FORGINGS, HOLLOW

Babcock & Wilcox Co, Boiler Div
Bethlehem Steel Co
Bridgeport Brass Co
Harvey Aluminum
Ladish Co
Pennsylvania Forge Div

FORGINGS, LEADED STEEL

Ladish Co
Pennsylvania Forge Div
H K Porter Co, Forge & Fittings Div

FORGINGS, STEEL

Allegheny Ludlum Steel Corp
Alloy Flange & Fitting Corp
Bethlehem Steel Co
Crucible Steel Co of America
Carpenter Steel Co
Ladish Co
Pennsylvania Forge Div
Pettibone Mulliken Corp
H K Porter Co, Forge & Fittings Div
Struthers Wells Corp

FRACTIONATORS

Ampco Metal
Artisan Metal Products
Buflovak Equipment Div
Chicago Bridge & Iron Co
Colonial Iron Works Co
Delta Tank Mfg Co
Graver Tank & Mfg Co
Leader Iron Works
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Posey Iron Works
Scientific Glass Apparatus Co
Arthur F Smith Co
Stearns-Roger Mfg Co
Wyatt Metal & Boiler Works, Inc

FRICTION MATERIALS

Johns-Manville

American Felt Co
Armstrong Cork Co
Raybestos-Manhattan
Stackpole Carbon Co
United States Rubber Co

FUME REMOVAL SYSTEMS

Croll-Reynolds Co

Allied Steel Products Corp
Browne-Morse Co
Day Co
Dust Suppression & Engrg Co
Falls Industries
General Ceramics Corp
Heil Process Equipment Corp
Kewaunee Mfg Co
Maurice A Knight Co
Laboratory Furniture Co
Manitowoc Shipbuilding, Chem, Engrg Service Div
Oxy-Catalyst
Pangborn Corp
Edw Renneburg & Sons Co
Research-Cottrell
W S Rockwell Co
Claude B Schneible Co
South Bend Air Products
Trane Co
United States Stoneware Co
Western Precipitation Corp
Wheelabrator Corp
Wyatt's' Plastics, Inc

FUMIGATION EQUIPMENT, INDUSTRIAL

Acme Protection Equipment Co
J P Devine Mfg Co

FUNNELS

General Ceramics Corp
Kimble Glass Co
Scientific Glass Apparatus
Terriss Div

FURNACE ACCESSORIES

Electric Hotpack Co
General Elec Co, Apparatus Sales Co
Haynes Stellite Co
L & L Mfg Co
National Airoil Burner Co
Stanwood Corp

FURNACES, ANNEALING

Allied Steel Products Corp
American Gas Furnace
Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
W S Rockwell Co
Selas Corp of America
Surface Combustion Corp
Thermo Elec Mfg Co
Whiting Corp

FURNACES, ASSAY

American Gas Furnace Co
Electric Hotpack Co
Hevi-Duty Elec Co
L & L Mfg Co
W S Rockwell Co
Thermo Elec Mfg Co

FURNACES, CALCINING

Allied Steel Products Corp
American Gas Furnace Co
Electric Hotpack Co
Gas Machy Co
Hevi-Duty Elec Co
L & L Mfg Co
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Thermo Elec Mfg Co

FURNACES, CRUCIBLE

Fisher Scientific

American Gas Furnace Co
Electric Hotpack Co
Hevi-Duty Elec Co
Laboratory Equipment Corp
NRC Equipment Corp
W S Rockwell Co
Surface Combustion Corp
Thermo Elec Mfg Co

FURNACES, ELECTRICAL

Despatch Oven Co
Electric Hotpack Co
Engelhard Industries
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
Laboratory Equipment Corp
Leeds & Northrup Co
NRC Equipment Corp
Posey Iron Works
W S Rockwell Co
F J Stokes Corp
Thermo Elec Mfg Co
Whiting Corp

FURNACES, HEARTH-TYPE

American Gas Furnace Co
Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
L & L Mfg Co
Posey Iron Works
W S Rockwell Co
Selas Corp of America
Surface Combustion Corp

FURNACES, HEAT TREATING

American Gas Furnace Corp
Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
M W Kellogg Co
L & L Mfg Co
Laboratory Equipment Co
Leeds & Northrup Co
NRC Equipment Corp
W S Rockwell Co
Selas Corp of America
F J Stokes Corp
Surface Combustion Corp
Thermo Elec Mfg Co
Whiting Corp

FURNACES, HIGH VACUUM

Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
NRC Equipment Corp
Petro-Chem Development Co
F J Stokes Corp
Surface Combustion Corp

FURNACES, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp

American Gas Furnace Co
Central Scientific
Consolidated Electrodynamics Corp, Rochester Div
Despatch Oven Co
Electric Hotpack Co
Engelhard Industries
Hevi-Duty Elec Co
L & L Mfg Co
Laboratory Equipment Corp
NRC Equipment Corp
Posey Iron Works
W S Rockwell Co
Selas Corp of America
F J Stokes Corp
Surface Combustion Corp
Thermo Elec Mfg Co

FURNACES, MUFFLE

Fisher Scientific

Allied Steel Products Corp
American Gas Furnace Co
Colonial Iron Works Co
Electric Hotpack Co
Gas Machy Co
Hevi-Duty Elec Co
L & L Mfg Co
Laboratory Equipment Corp
Posey Iron Works
W S Rockwell Co
Selas Corp of America
Surface Combustion Corp
Thermo Elec Mfg Co

FURNACES, OIL

Despatch Oven Co
Electric Hotpack Co
Gas Machy Co
Hevi-Duty Elec Co
National-US Radiator Corp
Petro-Chem Development Co
Posey Iron Works
Ray Burner Co
W S Rockwell Co
A O Smith Corp
Struthers Wells Corp
Trane Co

FURNACES, ROASTING

Allis-Chalmers Mfg Co
American Gas Furnace Co
Electric Hotpack Co
Hevi-Duty Elec Co
Posey Iron Works
W S Rockwell Co
F L Smidth & Co

FURNACES, ROTARY

Standard Steel Corp

Allis-Chalmers Mfg Co
American Gas Furnace Co
Despatch Oven Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
Leader Iron Works
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Selas Corp of America
F L Smidth & Co
Surface Combustion Corp

FURNACES, TUBE

Fisher Scientific

American Gas Furnace Co
Gas Machy Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
M W Kellogg Co
L & L Mfg Co
Laboratory Equipment Corp
Petro-Chem Development Co
W S Rockwell Co
Selas Corp of America
Stackpole Carbon Co
Surface Combustion Corp
Thermal Research & Engrg Corp

FURNACES, VERTICAL

American Gas Furnace Co
Bethlehem Foundry & Mach Co
Despatch Oven Co
General Elec Co, Apparatus Sales Div
Hevi-Duty Elec Co
Litton Engrg Labs
Petro-Chem Development Labs
Posey Iron Works
W S Rockwell Co
Selas Corp of America
Surface Combustion Corp
Thermal Research & Engrg Corp
Thermo Elec Mfg Co
Western Precipitation Corp

FUSES

General Elec Co, Apparatus Sales Div

G

GALVANOMETERS

Bristol Co
Central Scientific Co
Consolidated Electrodynamics Corp
Leeds & Northrup Co
General Elec Co, Apparatus Sales Div

GAS ANALYSIS APPARATUS

Fisher Scientific

American Instrument Co
Bailey Meter Co
Baroid Div, National Lead
Beckman Instruments, Scientific & Process Instruments Divs
Bristol Co
Central Scientific Co
Consolidated Electrodynamics Corp
Ellison Draft & Gage Co
Englehard Industries
Fischer & Porter Co
Hallikainen Instruments
Hays Corp Industrial Instruments
Harold Kruger Instruments
Laboratory Equipment Corp
Leeds & Northrup Co
Mine Safety Appliances
N R C Equipment Corp
National Instrument Labs, Inc
Perkin-Elmer Corp
Republic Flow Meters Co
Thermco Instrument Corp

GAS CHROMOTOGRAPHY APPARATUS

Fisher Scientific

American Instrument Co
Barber-Colman Co
Baroid Div, National Lead Co
Beckman Instruments, Scientific & Process Instruments Divs
Bio-Rad Labs
Bristol Co
Central Scientific Co
Consolidated Electrodynamics Corp
Fischer & Porter Co
Foxboro Co
Hallikainen Instruments
Industrial Instruments
Leeds & Northrup Co
Perkin-Elmer Corp
Victory Engineering Corp

GAS HOLDERS

Camden Copper Works
Flexi-Liner Co
General American Transportation Corp
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Pittsburgh-Des Moines Steel Co
Wyatt Metal & Boiler Works, Inc

GASKETING MATERIAL, LOW VAPOR PRESSURE

Johns-Manville

American Felt Co
Durabla Mfg Co
Garlock Packing Co
Greene, Tweed & Co
La Favorite Rubber Mfg Co

GASKETS, ACID & ALKALI RESISTING

►Goodall Rubber Co
Johns-Manville

Akron Metallic Gasket Co
American Felt Co
Chicago Gasket Co
Durabla Mfg Co
Garlock Packing Co
B F Goodrich Industrial Prod Co, Plastics
Goshen Rubber Co
Greene, Tweed & Co
Hollow Center Packing Co
Knapp Mills
La Favorite Rubber Mfg Co
Marlo Co
Metallo Gasket Co
Micromold Products Corp
Pfaudler Co Div
Polymer Corp
Raybestos-Manhattan
M L Snyder & Son
Sparta Mfg Co
United States Stoneware Co

GASKETS, ASBESTOS

►Goodall Rubber Co
Johns-Manville

Akron Metallic Gasket Co
Armstrong Cork Co
Philip Carey Mfg Co
Chicago Gasket Co
Durabla Mfg Co
Garlock Packing Co
Greene, Tweed & Co
Hollow Center Packing Co
Marlo Co
Metallo Gasket Co
Metal Textile Corp
Micromold Products Corp
Raybestos-Manhattan
Sterling Packing & Gasket Co

GASKETS, COPPER ASBESTOS

Johns-Manville

Akron Metallic Gasket Co
Garlock Packing Co
Metallo Gasket Co

GASKETS, FLOUROPLASTIC

Johns-Manville

Akron Metallic Gasket Co
Chicago Gasket Co
Fluorolon Labs
Garlock Packing Co
Greene, Tweed & Co
Micromold Products Corp
Polymer Corp
Sparta Mfg Co

GASKETS, LEAD

Akron Metallic Gasket Co
American Smelting & Refining Co
Garlock Packing Co
O G Kelley & Co
Knapp Mills
Metallo Gasket Co

GASKETS, LEATHER

►Goodall Rubber Co

Akron Metallic Gasket Co
Chicago-Allis Mfg Corp
Chicago Gasket Co
Clayton Mark & Co
Garlock Packing Co

GASKETS, METALLIC

Johns-Manville

Akron Metallic Gasket Co
Chicago Gasket Co
Garlock Packing Co
Greene, Tweed & Co
Metallo Gasket Co
Metal Textile Corp

GASKETS, PAPER

►Goodall Rubber Co
Johns-Manville

Akron Metallic Gasket Co
Armstrong Cork Co
Chicago Gasket Co
Garlock Packing Co
Greene, Tweed & Co
Marlo Co

GASKETS, PLASTIC

►Goodall Rubber Co
Johns-Manville

Akron Metallic Gasket Co
Armstrong Cork Co
Chicago Gasket Co
Connecticut Hard Rubber Co
Fluorulon Labs
Garlock Packing Co
B F Goodrich Industrial Prod Co, Plastics
Greene, Tweed & Co
Knapp Mills
Micromold Products Corp
National Vulcanized Fibre Co
Polymer Corp
Protective Lining Corp
Raybestos-Manhattan
Reliance Plastic & Chem Corp
United States Stoneware Co
Wyatt's Plastics, Inc

GASKETS, RUBBER

►Goodall Rubber Co
Johns-Manville

Akron Metallic Gasket Co
American Felt Co
Armstrong Cork Co
Automotive Rubber Co
Chicago-Allis Mfg Corp
Chicago Gasket Co
Connecticut Hard Rubber Co
Garlock Packing Co
Gates Rubber Co
B F Goodrich Industrial Prod Co
Goshen Rubber Co
Greene, Tweed & Co
Hewitt-Robins
King Engrg Corp
La Favorite Rubber Mfg Co
Marlo Co
Metallo Gasket Co
Plastic Applicators
Raybestos-Manhattan
Victaulic Co of America
United States Rubber Co
Wyatt's Plastics, Inc

GASKETS, STEEL DRUMS

American Flange & Mfg Co
Johns-Manville

Akron Metallic Gasket Co
American Felt Co
Armstrong Cork Co
Chicago Gasket Co
Durabla Mfg Co
Greene, Tweed & Co
Hewitt-Robins
Raybestos-Manhattan
M L Snyder & Son

GATES, DISCHARGE, BIN & BUNKER

►Kennedy Van Saun Mfg & Engrg Corp

Allen-Sherman-Hoff Co
Barber-Greene Co
Bodinson Mfg Co
Brady Conveyors Corp
Day Co
Duron Co
Gifford-Wood Co
Jeffrey Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
Stephens-Adamson Mfg Co
Syntron Co

GAUGES, DIAPHRAGM

Bailey Meter Co
Ellison Draft Gage Co
Foxboro Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Rochester Mfg Co
United States Gauge Div
Wallace & Tiernan Inc

GAUGES, DRAFT

Bailey Meter Co
Bristol Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Hays Corp
King Engrg Co
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co
Wallace & Tiernan Inc

GAUGES, FILTER

Ellison Draft Gage Co

GAUGES, HEATED & COOLED

Jerguson Gage & Valve Co
Penberthy Mfg Co
Strahman Valves

GAUGES, INDICATING, VACUUM & DIFFERENTIAL

BIF Industries
Bailey Meter Co
Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp, Rochester Div
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
King Engrg Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Norwood Controls
NRC Equipment Corp
Republic Flow Meters Co
Rochester Mfg Co
Arthur F Smith Co
F J Stokes Corp
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, LIQUID LEVEL

►Henry Vogt Mach Co

Alemite Div
Bailey Meter Co
BIF Industries
Bristol Co
Brooks Rotameter Co
Brown Instruments Div
Conoflow Corp
Falcon Alarm Co
Fischer & Porter Co
Foxboro Co
Hoke, Inc
Infilco Inc
Jerguson Gage & Valve Co
King Engrg Corp
Lunkenheimer Co
Magnetrol
Manning Maxwell & Moore, Inc
Moore Products Co
Norwood Controls
Ohmart Corp
Penberthy Mfg Co
Republic Flow Meters Co
Rochester Mfg Co
Shand & Jurs Co
Strahman Valves
Terriss Div
United States Gauge Div
Yarnall-Warning Co

GAUGES, MECHANICAL FORCE

Bristol Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning, Maxwell & Moore, Inc

GAUGES, PRESSURE

Fisher Scientific

Alemite Div
American Instrument Co
Bailey Meter Co
Bristol Co
Brown Instruments Div
Cameron Iron Works
Clayton Mark & Co
Conoflow Corp
Consolidated Electrodynamics Corp
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
Hastings-Raydist
General Elec Co, Apparatus Sales Div
Hoke, Inc
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moore Products Co
Norwood Controls
Republic Flow Meters Co
Rochester Mfg Co
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, STRAIN

American Instrument Co
Bristol Co
Consolidated Electrodynamics Corp
Foxboro Co
General Elec Co, Apparatus Sales Div

GAUGES, TANK

Bristol Co
Fischer & Porter Co
Foxboro Co
King Engrg Corp
Manning, Maxwell & Moore, Inc
Penberthy Mfg Co
Rochester Mfg Co

GAUGES, TEMPERATURE

Alemite Div
Bailey Meter Co
Barber-Coleman Co
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Electric Autolite Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Moore Products Co
Norwood Controls
Pacific Transducer Corp
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
Rochester Mfg Co
Simpson Electric Co
United States Gauge Div
Weksler Instruments Corp

GAUGES, THICKNESS,

Branson
Brown Instruments Div
Cutler-Hammer
Gardner Lab
General Elec Co, Apparatus Sales Div
Ohmart Corp
Sealol Corp
Simpson Electric, Size Control
Stewart-Warner Corp

GAUGES, VACUUM

Fisher Scientific
Alemite Div
Bailey Meter Co
Bristol Co
Brown Instruments Div
Bryant Industrial Products
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
Electric Auto-Lite Co
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Hastings-Raydist
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moore Products Co
N R C Equipment Corp
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Rochester Mfg Co
Arthur F Smith Co
F J Stokes Corp
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

GAUGES, WATER

BIF Industries
Bristol Co
Brown Instruments Div
Ellison Draft Gage Co
Fischer & Porter Co
Hoke, Inc
Infilco Inc
Jerguson Gage & Valve
Lukenheimer Co
Manning, Maxwell & Moore, Inc
Penberthy Mfg Co
Rochester Mfg Co

GEARMOTORS

Louis Allis Co
Allis-Chalmers Mfg Co
Century Elec Co
Electric Auto-Lite Co
Falk Corp
General Elec Co, Apparatus Sales Div
Link-Belt Co
Reliance Elec & Engrg Co
A O Smith Corp
Sterling Elec Motors
United States Elec Motors
Wagner Elec Corp

GEARS, REDUCTION

Louis Allis Co
Alten Foundry & Mach Works
Cleveland Worm & Gear Co
Falk Corp
General Elec Co, Apparatus Sales Div
S P Kinney Engrs Inc
Link-Belt Co
F L Smidth & Co
Stearns-Roger Mfg Co
Sterling Elec Motors
Terry Steam Turbine Co
Wagner Elec Corp
Zero-Max Co

GENERATORS, A. C.

Louis Allis Co
Allis-Chalmers Mfg Co
Century Elec Co
Electric Machy Mfg Co
Elliot Co
Fairbanks, Morse & Co
Leland Elec Co Div
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp
D W Onan & Sons
Reliance Elec & Engrg Co
Robbins & Myers

GENERATORS, ACETYLENE

Linde Co

GENERATORS, CARBON DIOXIDE

Gas Atmospheres
Knapp Mills
Franklin P Miller & Son
Southwest Industries
Wallace & Tiernan Inc

GENERATORS, D. C.

Louis Allis Co
Allis-Chalmers Mfg Co
Century Elec Co
Electric Auto-Lite Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Leland Elec Co Div
Marathon Elec Mfg Corp
D W Onan & Sons
Reliance Elec & Engrg Co
Robbins & Myers

GENERATORS, GAS ENGINE POWERED

Allis-Chalmers Mfg Co
Marathon Elec Mfg Corp
Nordberg Mfg Co
D W Onan & Sons

GENERATORS, HIGH FREQUENCY

Louis Allis Co
Electric Machy Mfg Co
General Elec Co, Apparatus Sales Div
General Radio Co
Laboratory Equipment Corp
Leland Elec Co Div
Marathon Elec Mfg Corp
Reeve Electronics
Robbins & Myers

GENERATORS, INERT GAS

Air Products, Inc, Process Equip Div
Gas Atmospheres
General Elec Co, Apparatus Sales Div
Southwest Industries
Submerged Combustion
Surface Combustion Corp
Thermal Research & Engrg Co

GENERATORS, OXYGEN

Air Products, Inc, Process Equip Div
T Shriver & Co
Superior Air Products Co

GENERATORS, OZONE

Welsbach Corp

GENERATORS, STEAM

►Henry Vogt Mach Co
Ames Iron Works
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Clayton Mfg Co
Combustion Engrg
Coppus Engrg Corp
Foster Wheeler Corp
International Boiler Works Co
Murray Iron Works Co
National-US Radiator Corp
Patterson-Kelley Co
Southwestern Engrg Co

GENERATORS, STEAM, ELECTRIC POWERED

Bros, Inc

GENERATORS, SYNCHRONOUS

Allis-Chalmers Mfg Co
Electric Machy Mfg Co
Elliott Co
Fairbanks, Morse & Co
General Elec Co, Apparatus Sales Div
Marathon Elec Mfg Corp

GENERATORS, ULTRASONIC POWER

Branson Instruments
Dextrex Chem Industries
National Ultrasonic Corp

GLASS APPARATUS, GROUND

Fisher Scientific
Standard Scientific Supply Corp

Corning Glass Works
Kimble Glass Co
Laboratory Equipment Corp
Scientific Glass Apparatus Co
Arthur F Smith Co

GLASS APPARATUS, SPECIAL

Fisher Scientific

Continental Can Co, Flexible Packaging Div
Corning Glass Works
Fischer & Porter Co
Glass Engrg Labs
Litton Engrg Labs
Scientific Glass Apparatus Co

GLASS, FLAT, SHEET & PLATE

Corning Glass Works

GLASS, GROUND

Eastman Kodak Co

Semon Bache & Co
Corning Glass Works

GLASS, HEAT ABSORBING

Bausch & Lomb Optical Co
Corning Glass Works

GLASS, HEAT RESISTING

Anchor Hocking Glass Corp
Corning Glass Works
Bausch & Lomb Optical Co
Kenneth J Moore & Co
Thermal American Fused Quartz Co

GLASS LABELING MACHINERY

MRM Co
Kenneth J Moore & Co

GLASS, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Laboratory Equipment Corp
Scientific Glass Apparatus Co
Arthur F Smith Co

GLASS LINED EQUIPMENT

Pfaudler Co Div
A O Smith Corp

GLASS, NON-REFLECTING

Semon Bache & Co
Bausch & Lomb Optical Co

GLASS, REACTION VESSELS

Kimble Glass Co
Corning Glass Works
Pfaudler Co Div
Scientific Glass Apparatus Co

GLASS, REINFORCED LAMINATED

Du Verre, Inc

Carl H Beetle Plastics Corp
Firmaline Products Inc
National Vulcanized Fibre Plastic Applicators
Schori Process Div

GLASSES, GAUGE

Corning Glass Works
Fischer & Porter Co
Jerguson Gage & Valve Co
Lunkenheimer Co
Terriss Div

GLASSES, SIGHT

American Optical Co
Semon Bache & Co
Corning Glass Works
Fischer & Porter Co
Jerguson Gage & Valve Co
Kimble Glass Co
OPW-Jordan
Sarco Co
Terriss Div
United States Safety Service Co

GLASSWARE, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Laboratory Equipment Corp
Scientific Glass Apparatus Co

GLOVES, IMPREGNATED FABRIC

►Goodall Rubber Co

American Optical Co
Edmont Mfg Co
Granet Corp
Mine Safety Appliances
Pioneer Rubber Co
M L Snyder & Son
United States Rubber Co

GLOVES, PLASTIC

►Goodall Rubber Co

Controlled Atmosphere Enclosures Mfg Co
Edmont Mfg Co
Granet Corp
Mine Safety Appliances
Pioneer Rubber Co
Polyfab Co
United States Rubber Co
Wilson Rubber Co

GLOVES, POLYETHYLENE

Granet Corp
Pioneer Rubber Co
Polyfab Co
Protective Lining Corp
Reliance Plastic & Chem

GLOVES, RUBBER

Fisher Scientific
►Goodall Rubber Co

American Optical Co
Controlled Atmosphere Enclosures Mfg Co
Edmont Mfg Co
Granet Corp
Mine Safety Appliances
Pioneer Rubber Co
M L Snyder & Son
United States Rubber Co
Wilson Rubber Co

GLUING MACHINERY

Kenneth J Moore & Co
Popper & Sons
Speedways Conveyors

GOGGLES, ACID & DUST-PROOF

Fisher Scientific

American Optical Co
General Scientific Equipment Co
Mine Safety Appliances
Ray-O-Vac Co
United States Safety Service Co

GOGGLES, CHEMICAL

American Optical Co
Bausch & Lomb Optical Co
General Scientific Equipment Co
Mine Safety Appliances
Ray-O-Vac Co
United States Safety Service Co

GOGGLES, FURNACE, HEAT PROTECTIVE

American Optical Co
Bausch & Lomb Optical Co
General Scientific Equipment Co
Ray-O-Vac Co
United States Safety Service Co

GOGGLES, SAFETY

Fisher Scientific

American Optical Co
Bausch & Lomb Optical Co
General Scientific Equipment Co
Martindale Elec Co
National Cylinder Gas Div
Ray-O-Vac Co
United States Safety Service Co

GOGGLES, WELDING

American Optical Co
Bausch & Lomb Optical Co
General Scientific Equipment Co
National Cylinder Gas Div
Ray-O-Vac Co
United States Safety Service Co

GOVERNORS, PUMP

Copes-Vulcan Div
Spence Engrg Co

GRADUATES, STAINLESS STEEL

Terriss Div

GRANULATORS

Abbe Engrg Co
Pulva Corp

Allied Steel Products Corp
Arthur Colton Co
General American Transportation Corp
B F Gump Co
Leader Iron Works
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Patterson-Kelley Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach
F J Stokes Corp
Sturtevant Mill Co
Torsion Balance Co

GRANULATORS, CRUSHER & MILL

Abbe Engrg Co
Pulva Corp

Allied Steel Products Corp
Denver Equipment Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Franklin P Miller & Son
Nordberg Mfg Co
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
F L Smidth & Co
Sprout, Waldron & Co
F J Stokes Corp
Sturtevant Mill Co

GRINDERS, MICRON

Abbe Engrg Co

C W Brabender Instruments
Chemicolloid Labs
Hardinge Co
Majac, Inc
Manton-Gaulin Mfg Co
Franklin P Miller & Son
Pulverizing Machy Div
Charles Ross & Son Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Tri-Homo Corp
Union Process Co

GRINDERS, MILL

Abbe Engrg Co
J H Day Co Div
Fisher Scientific
Pulva Corp

Paul O Abbe
Allis-Chalmers Mfg Co
C W Brabender Instruments
Buffalo Hammer Mill Corp
Combustion Engrg
Denver Equipment Co
First Machy Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hardinge Co
International Engrg Inc
Franklin P Miller & Son
Myers Sherman Co
Nordberg Mfg Co
Prater Pulverizer Co
Patterson Foundry & Mach Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
Safety Industries, Entoleter Div
F L Smidth & Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Co
Tri-Homo Corp
Union Process Co
United States Stoneware Co
Williams Patent Crusher & Pulverizer Co

GRINDING & DRYING CLASSIFYING SYSTEMS

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp

Allied Steel Products Corp
Allis-Chalmers Mfg Co
Combustion Engrg Co
Denver Equipment Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Majac, Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
F L Smidth & Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co

GRIZZLIES

►Kennedy Van Saun Mfg & Engrg Corp

Denver Equipment Co
Electric Steel Foundry Co
Gruendler Crusher & Pulverizer Co
Link-Belt Co
Lippmann Engrg Works
Franklin P Miller & Son
Nordberg Mfg Co
Edw Renneburg & Sons Co
Sutton, Steele & Steele, Inc
Syntron Co

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Pressed Steel Tank Co

Carl N Beetle Plastics Corp
Boardman Co
Day Co
General Metals Co
Hodgson Equipment Co
Kirk & Blum Mfg Co
Edw Renneburg & Sons Co
W S Rockwell Co

GUNS, LUBRICATING

Alemite Div
Delta-Desco
Gray Co
Lincoln Engrg Co Div
Stewart-Warner Corp

H

HAND CREAMS, PROTECTIVE

Fisher Scientific

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A E Halperin Co
Mine Safety Appliances
Torsion Balance Co

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Bausch & Lomb Optical Co
Pacific Transducer Corp
Simpson Electric, Size Control
F J Stokes Corp
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►Goodall Rubber Co
Johns-Manville

American Optical Co
Mine Safety Appliances
National Cylinder Gas Div
Ray-O-Vac Co
M L Snyder & Son
Strong Carlisle & Hammond, Steam Specialty
Textile Products
United States Safety Service Co

HEADS, BARREL, STEEL

American Brass Co
Delaware Barrel & Drum Co
General Motors Inc
Newark Steel Drum Co

HEADS, BOILER & TANK

►Henry Vogt Mach Co

Allied Steel Products Corp
Ampco Metal
Colorado Fuel & Iron Corp
General Metals Inc
Modern Welding Co
Wickwire Spencer Steel Div
Wyatt Metal & Boiler Works, Inc

HEADS, SAFETY

Black, Sivalls & Bryson
Grell Reynolds Engrg Co
General Metals Inc

HEAT EXCHANGERS

National Carbon Co Div
Niagara Blower Co
►Henry Vogt Mach Co

Acme Industries
B P Adams Co
Alco Products, Inc
Allied Steel Products Corp
American Heat Reclaiming Corp
American Standard Industrial Div
Ampco Metal
Richard M Armstrong Co
Artisan Metal Products
Babcock & Wilcox Co, Boiler Div
Bell & Gossett Co
Bros, Inc
Brown Fintube Co
Buffovak Equipment Div
Camden Copper Works
Carbone Corp
Cleaver-Brooks Co
Cochrane Corp
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Corning Glass Works
Crucible Steel Co of America
Dean Products, Inc
DeLaval Separator Co
Electric Steel Foundry Co
Falls Industries
Fansteel Metallurgical Corp
First Machy Corp
Flint Steel Corp
Foster Wheeler Corp
General Motors Corp
Girdler Process Equipment Div
Goslin-Birmingham Mfg Co
Griscom-Russell Co
Harrison Radiator Div
Heatron, Inc
Henszey Co
Industrial Filter & Pump Mfg Co
International Boiler Works Co
M W Kellogg Co
Konto Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
Marley Co
Mario Coil Co
McGregor-Michigan Corp
Mohawk Mfg Corp
National-U S Radiator Corp
Nooter Corp
Nukem Products Corp
Patterson-Kelley Co
Pfaudler Co Div
Plastic Applicators
Platecoil Div
Posey Iron Works
Edw Renneburg & Sons Co
Rietz Mfg Co
Schutte & Koerting Co
Ernest Scott & Co
A O Smith Corp
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Thermal Research & Engrg Corp
Vilter Mfg Co
Vulcan Mfg
Western Supply Co
Whiting Corp
Whitlock Mfg Co
Edwin L Wiegand Co
Young Radiator Co

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Combustion Engrg
Dean Products, Inc
Delta Tank Mfg Co
DeLaval Separator Co
Electro Chem Engrg & Mfg Co
Falls Industries
Girdler Process Equipment Div
Henszey Co
Manning & Lewis Engrg Co
Oxy-Catalyst, Inc
Platecoil Div
Edw Renneburg & Sons Co
Whiting Corp
Whitlock Mfg Co
Young Radiator Co

HEAT SEALING MACHINES

Par-pak Co
Reeve Electronics

HEAT TRANSFER APPARATUS

D J Murray Mfg Co
National Carbon Co Div
Niagara Blower Co

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Acme Industries
Alco Products, Inc
Allied Steel Products Corp
American Standard Industrial Div
Richard M Armstrong Co
Artisan Metal Products
Bros, Inc
Brown Fintube Co
Carbone Corp
Carrier Conveyor Corp
Condenser Service & Engrg Co
Cron Reynolds Engrg Co
Dean Products, Inc
DeLaval Separator Co
Despatch Oven Co
Downingtown Iron Works
Falls Industries
Fansteel Metallurgical Corp
Girdler Process Equipment Div
Goslin-Birmingham Mfg Co
Graham Mfg Co
Griscom-Russell Co
Heatron, Inc
Konto Co
Leader Iron Works
Manning & Lewis Engrg Co
Mario Coil Co
National-U S Radiator Corp
Patterson-Kelley Co
Pfaudler Co Div
Plastic Applicators
Platecoil Div
Posey Iron Works
Edw Renneburg & Sons Co
A O Smith Corp
Southwestern Engrg Co
Thermal Research & Engrg Corp
Trane Co
Vilter Mfg Co
Vulcan Mfg
Western Supply Co
Westinghouse Elec Corp
C H Wheeler Mfg Co
Whiting Corp
York Corp
Young Radiator Co

HEATERS, AIR & GAS

National Carbon Co Div

Alco Products
American Standard Industrial Div
Babcock & Wilcox, Boiler Div
Bryant Industrial Products
Camden Copper Works
Combustion Engrg
Condenser Service & Engrg Co
Dean Products, Inc
Delta Tank Mfg Co
Despatch Oven Co
Downingtown Iron Works
Griscom-Russell Co
M W Kellogg Co
Mario Coil Co
National-U S Radiator
Nooter Corp
Patterson-Kelley Co
Petro-Chem Development Co
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
W W Sly Mfg Co
Submerged Combustion
Surface Combustion Corp
Thermal Research & Engrg Corp
Trane Co
Westinghouse Elec Corp
Whitlock Mfg Co
Edwin L Wiegand Co

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Hevi-Duty Elec Co
Waage Elec
Edwin L Wiegand Co

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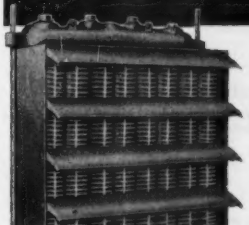
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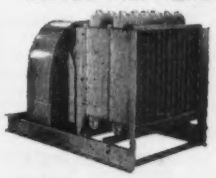
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GRID BLAST HEATERS



Shown In Fan Assembly

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International Boiler Works Co
Johnson Corp
Nooter Corp
W W Sly Mfg Co
Trane Co
Union Iron Works
Edwin L Wiegand Co

HEATERS, DEAERATING

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American Standard Industrial Div
Cochrane Corp
Condenser Service & Engrg Co
Downingtown Iron Works
Elgin Softener Corp
Elliott Co
Graham Mfg Co
Graver Water Conditioning
Los Angeles Water Softener Co
Manning & Lewis Engrg Co
Nooter Corp
Permutit Co
Fred H Schaub Engrg Co
Trane Co
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, DISTILLED WATER

Condenser Service & Engrg Co
Electric Hotpack Co
Griscom-Russell Co
Manning & Lewis Engrg Co
Nooter Corp
Edwin L Wiegand Co

HEATERS, ELECTRIC

Fisher Scientific

Central Scientific Co
Corning Glass Works
Cox & Co
Cutler-Hammer, Inc
Despatch Oven Co
Electric Hotpack Co
Englehard Industries
Fansteel Metallurgical Corp
Fostoria Pressed Steel
General Elec Co, Apparatus Sales Div
Heatron, Inc
Hevi-Duty Elec Co
W W Sly Mfg Co
Trans-Lite, Inc
Edwin L Wiegand Co
L J Wing Mfg Co

HEATERS, ELECTRONIC

Allis-Chalmers Mfg Co
Girdler Process Equipment Div
Reeve Electronics
Westinghouse Elec Corp

HEATERS, FAR-INFRARED

Corning Glass Works
Fostoria Pressed Steel
Edwin L Wiegand Co

HEATERS, FEED WATER

Alco Products, Inc
American Standard Industrial Div
American Water Softener Co
Cochrane Corp
Croll Reynolds Engrg Co
DeLaval Separator Co
Downingtown Iron Works
Elgin Softener Corp
Foster Wheeler Corp
Graver Water Conditioning Co
Griscom-Russell Co
Johnson Corp
Leader Iron Works
Los Angeles Water Softener Co
Manning & Lewis Engrg Co
Nooter Corp
Patterson-Kelley Co
Permutit Co
Fred H Schaub Engrg Co
Schutte & Koerting Co
Southwestern Engrg Co
Struthers Wells Corp
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, FLAT TUBE

Dean Products, Inc
Nooter Corp
Edwin L Wiegand Co
Young Radiator Co

HEATERS, GAS-FIRED

Bryant Industrial Products
Combustion Engrg
Delta Tank Mfg Co
Despatch Oven Co
Dravo Corp
Grinnell Co
Heil Process Equipment Corp
International Boiler Works Co
Mid-Continent Metal Products Co
National-US Radiator Corp
Patterson-Kelley Co
Petro-Chem Development
Posey Iron Works
Edw Renneburg & Sons Co
W S Rockwell Co
Selas Corp of America
W W Sly Mfg Co
Submerged Combustion
Surface Combustion Corp
Thermal Research & Engrg Corp
Trane Co
Western Precipitation Corp
Westinghouse Elec Corp
L J Wing Mfg Co
Young Radiator Co

HEATERS, GRADIATION

DeLaval Separator Co
Selas Corp of America
Edwin L Wiegand Co

HEATERS, IMMERSION

Fisher Scientific
National Carbon Co Div

Bryant Industrial Products
Cutler-Hammer, Inc
Dean Products, Inc
Downingtown Iron Works
Fansteel Metallurgical Corp
General Elec Co, Apparatus Sales Div
Heil Process Equipment Corp
Mid-Continent Metal Products Co
Pfaudler Co Div
Patecoil Div
Schutte & Koerting Co
Selas Corp of America
Thermal American Fused Quartz
Waage Elec
Edwin L Wiegand Co

HEATERS, INDUCTION

Allis-Chalmers Mfg Co
Graver Tank & Mfg Co
General Elec Co, Apparatus Sales Div
Laboratory Equipment Corp
Reeve Electronics
Edwin L Wiegand Co

HEATERS, LIQUID

Alco Products
Condenser Service & Engrg Co
Croll Reynolds Engrg Co
Cutler-Hammer, Inc
Dean Products, Inc
DeLaval Separator Co
Delta Tank Mfg Co
Fansteel Metallurgical
Foster Wheeler Corp
Fulton Sylphon Div
General Elec Co, Apparatus Sales Div
Graham Mfg Co
Griscom-Russell Co
International Boiler Works Co
Johnson Corp
Nooter Corp
Patterson-Kelley Co
Petro-Chem Development Co
Schutte & Koerting Co
Southwestern Engrg Co
Western Precipitation Corp
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, MOLTEN SALT

American Heat Reclaiming Corp
Black, Sivalls & Bryson
Condenser Service & Engrg Co
Delta Tank Mfg Co
J P Devine Mfg Co
General Elec Co, Apparatus Sales Div
Griscom-Russell Co
International Boiler Works Co
Nooter Corp
Southwestern Engrg Co
Struthers Wells Corp
Thermo Elec Mfg Co
Western Precipitation Corp
Edwin L Wiegand Co

HEATERS, OIL

►Henry Vogt Mach Co

Alco Products, Inc
Bros, Inc
Condenser Service & Engrg Co
Dean Products, Inc
DeLaval Separator Co
Delta Tank Mfg Co
Downingtown Iron Works
Dravo Corp
Foster Wheeler Corp
Graham Mfg Co
Griscom-Russell Co
International Boiler Works Co
Manning & Lewis Engrg Co
National Airoil Burner Co
National-US Radiator Corp
Patterson-Kelley Co
Petro-Chem Development Co
Platecoil Div
Posey Iron Works
W S Rockwell Co
W W Sly Mfg Co
Southwestern Engrg Co
Trane Co
Western Precipitation Corp
Whitlock Mfg Co
Edwin L Wiegand Co

HEATERS, OVEN

Fisher Scientific

Dean Products, Inc
Despatch Oven Co
General Elec Co, Apparatus Sales Div
Posey Iron Works
W S Rockwell Co
Selas Corp of America
W W Sly Mfg Co
Edwin L Wiegand Co

HEATERS, SCREEN

Allis-Chalmers Mfg Co
W S Tyler Co
Edwin L Wiegand Co

HEATERS, STRIP

Condenser Service & Engrg Co
Dean Products, Inc
Waage Elec
General Elec Co, Apparatus Sales Div
Edwin L Wiegand Co

HEATERS, TANK CAR

Bros, Inc
Brown Fintube Co
Cleaver-Brooks Co
Dean Products, Inc
Platecoil Div
Edwin L Wiegand Co

HEATERS, UNIT

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Niagara Blower Co

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Clarage Fan Co
DeLaval Separator Co
Dravo Corp
General Elec Co, Apparatus Sales Div
Grinnell Co
Hartzell Propeller Fan Co
Hevi-Duty Elec Co
Marlo Coil Co
National-U S Radiator Corp
Surface Combustion Corp
Trane Co
Edwin L Wiegand Co
L J Wing Mfg Co
Young Radiator Co

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D J Murray Mfg Co
Niagara Blower Co

Despatch Oven Co
Marlo Coil Co
National-US Radiator Co
Posey Iron Works
Edw Renneburg & Sons Co
W W Sly Mfg Co
Thermal Research & Engrg Corp
Trane Co
Westinghouse Elec Co
Edwin L Wiegand Co
Young Radiator Co

HEATING SYSTEMS, DOWTHERM

Artisan Metal Products
Buflovak Equipment Div
Cleaver-Brooks Co
Dean Products, Inc
Eclipse Fuel Engrg Co
International Boiler Works Co
Foster Wheeler Corp
Nooter Corp
Patterson-Kelley Co
Struthers Wells Corp
Western Precipitation Corp
Edwin L Wiegand Co

HEATING SYSTEMS, HOT OIL

Artisan Metal Products
Bros, Inc
Buflovak Equipment Div
Cleaver-Brooks Co
Dean Products, Inc
DeLaval Separator Co
J P Devine Mfg Co
International Boiler Works Co
Manning & Lewis Engrg Co
National Airoil Burner Co
Parks-Cramer Co
Patterson-Kelley Co
Struthers Wells Corp
Western Precipitation Corp
Edwin L Wiegand Co
Young Radiator Co

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Ames Iron Works
Combustion Engrg
Dean Products, Inc
DeLaval Separator Co
J P Devine Mfg Co
International Boiler Works Co
Manning & Lewis Engrg Co
National-U S Radiator
Patterson-Kelley Co
Fred H Schaub Engrg Co
Trane Co
Western Precipitation Corp
Westinghouse Elec Co
Edwin L Wiegand Co
Young Radiator Co

HEATING SYSTEMS, SPEEDYTHERM

National-US Radiator Corp

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Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Foster Wheeler Corp
Graver Tank & Mfg Co
Kahn & Co
M W Kellogg Co
Leader Iron Works
Leslie Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning & Lewis Engrg
Manton-Gaulin Mfg Co
Republic Flow Meters Co
Southwestern Engrg Co
Struthers Wells Corp
Terriss Div
Vulcan Mfg

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Yale & Towne Mfg Co

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Chicago Pneumatic Tool Co
Detroit Hoist & Mach Co
Gardner-Denver Co
Ingersoll-Rand Co
Manning, Maxwell & Moore, Inc
Yale & Towne Mfg Co

HOISTS, CHAIN

Robbins & Myers
Cleveland Crane & Engrg Co
Colorado Fuel & Iron Corp
Manning, Maxwell & Moore, Inc
Yale & Towne Mfg Co

HOISTS, DRUM

Alemite Div
Bodinson Mfg Co
Cleveland Crane & Engrg Co
Conveyors & Dumpers, Inc
Electro Lift, Inc
Lewis-Shepard Products
Nordberg Mfg Co
Robbins & Myers
Stearns-Roger Mfg Co
Stephens-Adamson Mfg Co
Yale & Towne Mfg Co

HOISTS, ELECTRIC

Beaumont Birch Co
Brady Conveyors Corp
Cleveland Crane & Engrg Co
Colorado Fuel & Iron Corp
Detroit Hoist & Mach Co
Electro Lift, Inc
Ingersoll-Rand Co
Lewis-Shepard Products
Manning, Maxwell & Moore, Inc
Nordberg Mfg Co
Robbins & Myers
Stearns-Roger Mfg Co
Yale & Towne Mfg Co

HOISTS, HAND

Brady Conveyors Corp
Cleveland Crane & Engrg Co
Lewis-Shepard Products
Little Giant Products
Manning, Maxwell & Moore, Inc
Robbins & Myers
Yale & Towne Mfg Co

HOISTS, PORTABLE

Chicago Pneumatic Tool Co
Conveyors & Dumpers, Inc
Economy Engrg Co
Electro Lift, Inc
Lewis-Shepard Products
Manning, Maxwell & Moore, Inc
Robbins & Myers
Yale & Towne Mfg Co

HOISTS, SKIP

Boardman Co
Brady Conveyors Corp
Cleveland Crane & Engrg Co
Conveyors & Dumpers, Inc
Economy Engrg Co
Gifford-Wood Co
Hewitt-Robins
Link-Belt Co
Materials Handling Equipment Co
Nordberg Mfg Co
Posey Iron Works
Stephens-Adamson Mfg Co
Whiting Corp

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J H Day Co Div
Fisher Scientific

Allied Steel Products Corp
American-Marsh Pumps
Chemicolloid Labs
Gifford-Wood Co
C W Logeman Co
Manton-Gaulin Mfg Co
Rietz Mfg Co
Charles Ross & Son Co
Tri-Homo Corp

HOODS, ACID

Du Verre, Inc
Fisher Scientific
National Carbon Co Div

American Optical Co
Carl N Beetle Plastics Corp
Electro Chem Engrg & Mfg Co
O G Kelley & Co
Hell Process Equipment
Kewaunee Mfg Co
Kirk & Blum Mfg Co
Knapp Mills
Laboratory Furniture Co
Wyatt's Plastics, Inc

HOPPERS

J H Day Co Div

Allied Steel Products Corp
Barber-Greene Co
Carl N Beetle Plastics Corp
Boardman Co
Camden Copper Works
Chicago Bridge & Iron Co
J C Corrigan Co
Day Co
Denver Equipment Co
Falstrom Co
Gifford-Wood Co
Kirk & Blum Mfg Co
Nooter Corp
Manitowoc Shipbuilding, Chem Engrg Service Div
Manitowoc Shipbuilding, Fabricating Div
Pettibone Mulliken Corp
W S Rockwell Co
Sprout, Waldron & Co
Stover Steel Tank & Mfg Co
Terriss Div
Whiting Corp
Wyatt Metal & Boiler Works, Inc
Wyatt's Plastics, Inc

HOPPERS, AUTOMATIC WEIGHING

Exact Weight Scale Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Weighing & Control Components
Whiting Corp

HOSE, ACID-RESISTING

►Resistoflex Corp

American Brass Co
American Hard Rubber Co Div
Anaconda Metal Hose Div
Flexible Tubing Corp
Flexonics Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
LaFavorite Rubber Mfg Co
Packless Metal Hose
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Rubber Div
Sparta Mfg Co

HOSE, AIR

►Goodall Rubber Co
►Resistoflex Corp

Airetool Mfg Co
Alemite Div
American Brass Co
Anaconda Metal Hose Div
Anchor Coupling Co
Chicago Pneumatic Tool Co
Flexaust Co
Flexible Tubing Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Flexonics Corp
Gray Co
Le Roi Div
Lincoln Engrg Co Div
Packless Metal Hose
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Thermoid Co
United States Rubber Co

HOSE, FIRE

►Goodall Rubber Co

American LaFrance Div
John Bean Div
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

HOSE, GREASE

►Goodall Rubber Co

Alemite Div
American Brass Co
Anaconda Metal Hose Div
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Flexonics Corp
Gray Co
Lincoln Engrg Co Div
Packless Metal Hose
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Stewart-Warner Corp

HOSE, HIGH PRESSURE

►Goodall Rubber Co
►Resistoflex Corp

Aeroquip Corp
American Brass Co
Anaconda Metal Hose Div
Anchor Coupling Co
John Bean Div
Chiksan Co
Flexonics Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Gray Co
Hamilton Rubber Mfg Corp
Hewitt-Robins
Imperial Brass Mfg Co
Lincoln Engrg Co Div
Packless Metal Hose Div
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Thermoid Co
United States Rubber Co

HOSE, METAL CORRUGATED

►Goodall Rubber Co

American Brass Co
Anaconda Metal Hose Div
Flexonics Corp
Packless Metal Hose
Polymer Corp
Zallea Bros

HOSE METAL, FLEXIBLE

►Goodall Rubber Co

American Brass Co
Anaconda Metal Hose Div
Bridgeport Brass Co
Flexonics Corp
Johnson Corp
Packless Metal Hose
Parks-Cramer Co
Raybestos-Manhattan
Zallea Bros

HOSE, OIL & GASOLINE

►Goodall Rubber Co

American Brass Co
Anaconda Metal Hose Div
Anchor Coupling Co
Flexonics Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Gray Co
Imperial Brass Mfg Co
Packless Metal Hose Div
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div

HOSE, OXYACETYLENE

►Goodall Rubber Co

American Brass Co
Flexonics Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Linde Co
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div

HOSE, PETROLEUM SOLVENT

►Goodall Rubber Co
►Resistoflex Corp

Anaconda Metal Hose Div
Flexonics Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Packless Metal Hose
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Sparta Mfg Co
United States Rubber Co

HOSE, PLASTIC

►Goodall Rubber Co
►Resistoflex Corp

American Brass Co
American Hard Rubber Co Div
Anaconda Metal Hose Div
Flexible Tubing Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Flexonics Corp
Polymer Corp
H K Porter Co, Thermoid Div
Reliance Plastic & Chem Corp
United States Stoneware Co

HOSE, SAND BLAST

►Goodall Rubber Co

Anaconda Metal Hose Div
Flexonics Corp
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Pangborn Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
W W Sly Mfg Co
United States Rubber Co

HOSE, STEAM

►Goodall Rubber Co
►Resistoflex Corp

Airetool Mfg Co
American Brass Co
Anaconda Metal Hose Div
Anchor Coupling Co
Flexonics Corp
Gates Rubber Co
Johnson Corp
Packless Metal Hose
B F Goodrich Industrial Prod Co, Plastics, Rubber
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
United States Rubber Co

HOSE, STEAM DRIVEN

►Goodall Rubber Co

H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
B F Goodrich Industrial Prod Co, Plastics, Rubber

HOSE, VACUUM, FLEXIBLE

►Goodall Rubber Co
►Resistflex Corp

American Brass Co
Anaconda Metal Hose Div
Flexaust Co
Flexible Tubing Corp
Flexonics Corp
Gates Rubber Co
Imperial Brass Mfg Co
NRC Equipment Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Republic Rubber Div
Arthur F Smith Co

HOT PLATES, ELECTRIC

Fisher Scientific

Central Scientific Co
Hevi-Duty Elec Co
Thermo Elec Mfg Co
Laboratory Equipment Corp
Edwin L Wiegand Co

HOT PLATES, GAS

Fisher Scientific

Laboratory Equipment Corp

HUMIDIFYING APPARATUS

Niagara Blower Co
Spraying Systems Co

Abbeon Supply Co
American Instrument Co
American Standard Industrial Div
Armstrong Mach Works
Clarage Fan Co
Grinnell Co
Johnson Service Co
Parks-Cramer Co
Selas Corp of America
Trane Co

HYDRATORS, LIME

►Kennedy Van Saun Mfg & Engrg Corp

Hardinge Co

HYDROCLASSIFIERS

Heyl & Patterson

Denver Equipment Co
Hardinge Co

HYDROGENATION APPARATUS, LABORATORY

Fisher Scientific

Parr Instrument Co
Wurster & Sanger

HYDROMETERS

Fisher Scientific

Exide Industrial Div
Precision Thermometer & Instrument Co
Moeller Instrument Co
Weksler Instruments Corp

HYGROMETERS

Fisher Scientific

Abbeon Supply Co
American Instrument Co
Beckman Instruments, Scientific & Process Instruments Divs
Bristol Co
Foxboro Co
Mine Safety Appliances
Manning, Maxwell & Moore, Inc
Moeller Instruments
Parks-Cramer Co
Powers Regulator Co
Precision Thermometer & Instrument Co
Weksler Instruments Corp

I

IDLERS, SUSPENSION

Joy Mfg Co
Stephens-Adamson Mfg Co

IMPACTORS

►Kennedy Van Saun Mfg & Engrg Corp

Franklin P Miller & Son

INCUBATORS

H Reeve Angel & Co
Fisher Scientific

American Sterilizer Co
Central Scientific Co

INDICATORS, BIN LEVEL

►Fuller Co

Barber-Colman Co
Bin-Dicator Co
Brady Conveyors Corp
Industrial Instruments
Jeffrey Mfg Co
Ohmart Corp
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Stephens-Adamson Mfg Co
Syntron Co

INDICATORS, DEWPOINT

American Instrument Co
Barber-Colman Co
Bristol Co
Foxboro Co
Illinois Testing Labs
Mine Safety Appliances
Pittsburgh Lectrodryer Div
Surface Combustion Corp
Thermo Elec Co
Weighing & Control Components

INDICATORS, DRY MATERIAL LEVEL

►Fuller Co

Barber-Colman Co
Bin-Dicator Co
Fischer & Porter Co
Foxboro Co
Jeffrey Mfg Co
Ohmart Corp
Richardson Scale Co
Shand & Jurs Co
Syntron Co

INDICATORS, ELECTRONIC LEVEL

Barber-Colman Co
Fischer & Porter Co
Foxboro Co
Norwood Controls
Republic Flow Meters Co
Shand & Jurs Co
Stearns-Roger Mfg Co
Victory Engrg Corp

INDICATORS & CONTROLS, LIQUID LEVEL

Charles F Warrick Co

Allis-Chalmers Mfg Co
Barber-Colman Co
Bailey Meter Co
Bendix Aviation Corp
BIF Industries
Bin-Dicator Co
Bristol Co
Brooks Rotameter Co
Ellison Draft Gage Co
Falcon Alarm Co
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Grinnell Co
Hays Corp
Inflico Inc
Jo-Bell Products
Johnson Corp
King Engrg Corp
Lunkenheimer Co
Magnetrol, Inc
Manning, Maxwell & Moore, Inc
McDonnell & Miller
Moore Products Co
Norwood Controls
Ohmart Corp
H A Phillips & Co
Republic Flow Meters Co
Republic Mfg Co
Richardson Scale Co
Shand & Jurs Co
E C Smith Mfg Co
Swartwout Co
Thermo Elec Co
United Elec Controls Co
Victory Engrg Corp
Yarnall-Waring Co

INDICATORS, LIQUID FLOW

Bailey Meter Co
Beckman Instruments, Berkeley Div
BIF Industries
Bristol Co
Brooks Rotameter Co
Eclipse Fuel Engrg Co
Fischer & Porter Co
Foxboro Co
Granberg Corp
Hays Corp
Henszey Co
Inflico Inc
Jerguson Gage & Valve Co
King Engrg Co
Magnetrol Inc
Manning, Maxwell & Moore, Inc
McDonnell & Miller
Moore Products Co
Republic Flow Meters Co
Republic Mfg Co
Schutte & Koerting Co
Swartwout Co
Thermo Elec Co
United States Gauge Div
Victory Engrg Corp

INDICATORS, pH

Fisher Scientific

American Instrument Co
Analytical Measurements
Bailey Meter Co
Barber-Colman Co
Bristol Co
Coleman Instruments
Foxboro Co
Jordan Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Swartwout Co
W A Taylor & Co
Thermo Elec Co
Wallace & Tiernan Inc

INDICATORS, PLUGGING

Bin-Dicator Co

INDICATORS, PRESSSURE

Bailey Meter Co
Barber-Colman Co
Beckman Instruments, Berkeley Div
Bristol Co
Clayton Mark & Co
Conoflow Corp
Consolidated Electrodynamics Corp
Ellison Draft Gage Co
Foxboro Co
General Elec Co, Apparatus Sales Div
General Controls Co
Hays Corp
Johnson Service Co
Jas P Marsh Corp
Manning, Maxwell & Moore, Inc
Norwood Controls
Republic Flow Meters Co
Swartwout Co
United States Gauge Div
Wallace & Tiernan Inc
Weksler Instruments Corp

INDICATORS, SELF BALANCING

Bristol Co
Fischer & Porter Co
Leeds & Northrup Co
Republic Flow Meters Co
Thermo Elec Co

INDICATORS, SIGHT FLOW

Brooks Rotameter Co
Fischer & Porter Co
Jerguson Gage & Valve Co
King Engrg Corp
Lunkenheimer Co
OPW-Jordan
Republic Mfg Co
Schutte & Koerting Co
Wurster & Sanger

INDICATORS, SPECIFIC GRAVITY

Fisher Scientific

Bristol Co
Brooks Rotameter Co
Fischer & Porter Co
King Engrg Corp
Moeller Instrument Co
Moore Products Co
Ohmart Corp
Precision Thermometer & Instrument Co
Schutte & Koerting Co
Thermo Elec Co

INDICATORS, TEMPERATURE

Fisher Scientific

American Instrument Co
Bailey Meter Co
Barber-Colman Co
BIF Industries
Bristol Co
Thomas A Edison Industries
Electric Auto-Lite Co
Fewal, Inc
Fischer & Porter Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Hays Corp
Illinois Testing Labs
Johnson Service Co
Kahn & Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Moore Products Co
Norwood Controls
Paper Thermometer Co
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Republic Flow Meters Co
Shand & Jurs Co
Simpson Elec Co
Swartwout Co
Tempil Corp
Thermo Elec Co
Thermo Elec Mfg Co
United Elec Controls Co
United States Gauge Div
Victory Engrg Corp
Weksler Instruments Corp
West Instrument Corp

INDICATORS, VERTICAL SCALE

Bailey Meter Co
Thomas A Edison Industries
Ellison Draft Gage Co
Fischer & Porter Co
Foxboro Co
Hays Corp
Jerguson Gage & Valve Co
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co

INFORMATION SYSTEMS

Bailey Meter Co
Ferranti Elec Inc
Fischer & Porter Co
Shand & Jurs Co

INK MIXING MACHINERY

Abbe Engrg Co
J H Day Co Div
Mixing Equipment Co

Chemicolloid Labs
Chemineer Inc
J P Devine Mfg Co
Dravo Corp
First Machy Corp
Gifford-Wood Co
International Engrg Inc
Kinetic Dispersion Corp
Mason-Neilan Div
Franklin P Miller & Son
New England Tank & Tower Co
Patterson Foundry & Mach Co
Charles Ross & Son Co
Star Tank & Filter Corp
Tri-Homo Corp

INHALATORS

Mine Safety Appliances
Scott Aviation Corp

INSPECTION, ULTRASONIC

Branson
National Ultrasonic Corp
Plastic Applicators
Simpson Electric, Size Control
Sperry Products

INSULATING MATERIALS, ELECTRIC

Johns-Manville
►Resistoflex Corp
Union Carbide Corp, Silicones Div

Connecticut Hard Rubber Co
Englehard Industries
Houghton Labs Inc
I-T-E Circuit Breaker Co
National Vulcanized Fibre
Norton Co
Polymer Corp
Raybestos-Manhattan
Sparta Mfg Co
Star Porcelain Co

INSULATING MATERIALS, HEAT

Johns-Manville

Baldwin-Hill Co
Phillip Carey Mfg Co
Connecticut Hard Rubber Co
Eagle-Picher Co
A P Green Fire Brick Co
Houghton Labs Inc
Kaiser Chems Div
Mexico Refractories Co
Norton Co
Plibrico Co
Raybestos-Manhattan
Sparta Mfg Co
Star Porcelain Co

INSULATION, BLOCK

Johns-Manville

Baldwin-Hill Co
Phillip Carey Mfg Co
Eagle-Picher Co
A P Green Fire Brick Co

INSULATION, GLASS

Johns-Manville

Phillip Carey Mfg Co
Eagle-Picher Co
Gustin-Bacon Mfg Co
Micro Metallic Div

INSULATION, HEAT

Johns-Manville

Armstrong Cork Co
Baldwin-Hill Co
Phillip Carey Mfg Co
Eagle-Picher Co
Great Lakes Carbon Corp, Dicalite Dept
Gustin-Bacon Mfg Co
Plibrico Co

INSULATION, MAGNESIA

Johns-Manville

Phillip Carey Mfg Co
Eagle-Picher Co
Norton Co

INSULATION, MINERAL WOOL

Johns-Manville

Baldwin-Hill Co
Phillip Carey Mfg Co
Eagle-Picher Co
A P Green Fire Brick Co

INSULATION, PIPE

Johns-Manville

Armstrong Cork Co
Baldwin-Hill Co
Phillip Carey Mfg Co
Eagle-Picher Co
Gustin-Bacon Mfg Co
Houghton Labs Inc
Micro Metallic Div
Pittsburgh Corning Corp

INSULATION, TANK

Johns-Manville

Baldwin-Hill Co
Philip Carey Mfg Co
Eagle-Picher Co
Earl Paint Corp
Flexi-Liner Co
Gustin-Bacon Mfg Co
Wendnagel & Co

INTEGRATORS

Applied Research Labs
Beckman Instruments, Helipot Div
Bristol Co
Republic Flow Meters Co

ION EXCHANGERS

Fisher Scientific
Illinois Water Treatment Co

Allis-Chalmers Mfg Co
American Water Softener Co
Bio-Rad Labs
Chem-Pure Service Co
Cochrane Corp
Dorr-Oliver, Inc
Elgin Softener Corp
Graver Water Conditioning Co
Industrial Filter & Pump Mfg Co
Inflico, Inc
Kutlir Labs
Los Angeles Water Softener Co
Manning & Lewis Engrg Co
Permutit Co
Stearns-Roger Mfg Co

IONIZERS

Allis-Chalmers Mfg Co
American Water Softener Co

IRON REMOVAL SYSTEMS

Allis-Chalmers Mfg Co
American Water Softener Co
American Well Works
Chem-Pure Service Co
Cochrane Corp
Elgin Softener Corp
Graver Water Conditioning Co
Los Angeles Water Softener Co
Permutit Co

IRONS, CAST

Alten Foundry & Mach Works
Bethlehem Foundry & Mach Co
Blackmer Pump Co
National-U S Radiator Corp
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co

ISOLATORS—VIBRATION SHOCK & NOISE

American Felt Co
Connecticut Hard Rubber
Goshen Rubber Co

J

JACKETING, ALUMINUM

Allied Steel Products Corp

JACKETS, LABORATORY HEATING

Abbe Engrg Co
Fisher Scientific

Dean Products, Inc

JARS, GLASS

Anchor Hocking Glass Corp
Corning Glass Works
Owens-Illinois Glass Co, Container Div

JARS, PLASTIC

Abbe Engrg Co

Belray Chem Co
Delaware Barrel & Drum Co
General Ceramics Corp
Imco Container Corp
Owens-Illinois Glass Co, Closure & Plastics Div
United States Rubber Co

JOINTS, EXPANSION

►Allied Chem Corp, Semet-Solvay Engrg Div
►Goodall Rubber Co
►Resistoflex Corp

American Brass Co
Anaconda Metal Hose Div
Badger Mfg Co
Boardman Co
Chicago Gasket Co
Continental Can Co, Hazel-Atlas Glass Div
Croll Reynolds Engrg Co
Dresser Mfg Div
Flexonics Corp
Fulton Syphon Div
Garlock Packing Co
LaFavorite Rubber Mfg Co
Marman Div
Nukem Products Corp
Raybestos-Manhattan
Rotherm Engrg Co
Stonhard Co
United States Rubber Co
Victaulic Co of America
Yarnall-Waring Co
Zallea Bros

JOINTS, FLEXIBLE BALL

Marman Div
Rotherm Engrg Co

JOINTS, ROTARY

Chiksan Co
Johnson Corp
Rotherm Engrg Co
Sealol Corp

JOINTS, SWING

Chiksan Co
Croll Reynolds Engrg Co
Lunkenheimer Co
OPW-Jordan
Shand & Jurs Co

JOINTS, SWIVEL

Chiksan Co
OPW-Jordan
Sealol Corp

K

KETTLES, ACETYLATING

Allied Steel Products Corp
Colonial Iron Works Co
Leader Iron Works
Nooter Corp
Vulcan Mfg

KETTLES, AGITATING

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Chemineer Inc
Colonial Iron Works Co
Conn & Co
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
First Machy Corp
General Ceramics Corp
Gifford-Wood Co
Graver Tank & Mfg Co
International Engrg Inc
Knapp Mills
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stainless & Steel Products Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div
Vulcan Mfg

KETTLES, CAUSTIC

Allied Steel Products Corp
Buflovak Equipment Div
Colonial Iron Works Co
Conn & Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Vulcan Mfg

KETTLES, CRYSTALLIZING

Buflovak Equipment Div
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Vulcan Mfg

KETTLES, ELECTRICALLY HEATED

Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Conn & Co
J P Devine Mfg Co
Gifford-Wood Co
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Struthers Wells Corp

KETTLES, GAS FIRED

Allied Steel Products Corp
American Gas Furnace Co
Buflovak Equipment Div
Conn & Co
First Machy Corp
Gifford-Wood Co
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Selas Corp of America
Thermal Research & Engrg Corp

KETTLES, NITRATING

Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Buflovak Equipment Div
Colonial Iron Works Co
Maurice A Knight Co
Patterson Foundry & Mach Co
Nooter Corp
Vulcan Mfg

KETTLES, SOAP

Allied Steel Products Corp
Buflovak Equipment Div
Continental Boiler & Sheet Iron Works
Dean Products Inc
J P Devine Mfg Co
Gifford-Wood Co
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Stainless & Steel Products Co
Struthers Wells Corp

KETTLES, VACUUM

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Colonial Iron Works Co
Conn & Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Gifford-Wood Co
Graver Tank & Mfg Co
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Charles Ross & Son Co
F J Stoke Corp
Struthers Wells Corp
Vulcan Mfg

KETTLES, VARNISH

Standard Steel Corp

Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Conn & Co
Dean Products, Inc
J P Devine Mfg Co
Electric Steel Foundry
Graver Tank & Mfg Co
Leader Iron Works
Nooter Corp
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Selas Corp of America

KILN PARTS, HEAT RESISTANT

►Kennedy Van Saun Mfg & Engrg Corp

Allied Steel Products Corp
Dean Products, Inc
Delta Tank Mfg Co
F L Smidth & Co
Stearns-Roger Mfg Co

KILNS, CEMENT & LIME

►Kennedy Van Saun Mfg & Engrg Corp
Standard Steel Corp

Alco Products, Inc
Allis-Chalmers Mfg Co
Delta Tank Mfg Co
Downingtown Iron Works
Electric Hotpack Co
Hardinge Co
Leader Iron Works
Manning & Lewis Engrg
Manitowoc Shipbuilding, Chem Engrg Service Div
Nordberg Mfg Co
Edw Renneburg & Sons Co
F L Smidth & Co
Stearns-Roger Mfg Co
Traylor Engrg Mfg Co

KILNS, CERAMIC

Electric Hotpack Co
Hardinge Co
Hevi-Duty Elec Co
Edw Renneburg & Sons Co
W S Rockwell Co
Selas Corp of America
Surface Combustion Corp

KILNS, ROTARY

►Kennedy Van Saun Mfg & Engrg Corp
Standard Steel Corp

Alco Products, Inc
Allis-Chalmers Mfg Co
American Gas Furnace Co
Buflovak Equipment Div
Chicago Bridge & Iron Co
Davenport Mach & Foundry Co
Delta Tank Mfg Co
Downingtown Iron Works
Hardinge Co
Hevi-Duty Elec Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Nordberg Mfg Co
Pcsey Iron Works
Edw Renneburg & Sons Co
F L Smidth & Co
Stearns-Roger Mfg Co
Surface Combustion Corp
Traylor Engrg & Mfg Co
Wickwire Spencer Steel Div

KILNS, SHAFT

Hardinge Co
Edw Renneburg & Sons Co

KJELDAHL APPARATUS

Fisher Scientific

American Instrument Co
Kimble Glass Co
United States Stoneware Co

KNEADING MACHINERY

Paul O Abbe
Dravo Corp
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Edw Renneburg & Sons
Patterson Foundry & Mach Co
Rietz Mfg Co
Charles Ross & Son Co
Strong-Scott Mfg Co

KNIFE CUTTERS

Abbe Engrg Co

Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Sprout, Waldron & Co

KNIFE CUTTERS, HEAVY DUTY

Abbe Engrg Co

Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Sprout, Waldron & Co

KNIVES, MACHINE

Taylor Stiles & Co

Haynes Stellite Co
Edw Renneburg & Sons Co

KNIVES, SCRAPING

Haynes Stellite Co
Edw Renneburg & Sons Co

L

LABEL MACHINERY

MRM Co
Kenneth J Moore & Co

LABORATORY APPARATUS & SUPPLIES

Fisher Scientific
Howe & French
Mixing Equipment Co
Standard Scientific Supply Corp

(Continued)

HOWE & FRENCH

Established 1834 — Incorporated 1904

H·F·B TRADE MARK

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LABORATORY APPARATUS & SUPPLIES (continued)

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Clay-Adams
Arthur Colton Co
Consolidated Electrodynamics
Engelhard Industries
Gallgher Co
Gardner Lab
Laboratory Equipment
Norton Co
Perkin-Elmer Corp
Popper & Sons
Charles Ross & Son Co
J A Samuel & Co
Scientific Glass Apparatus Co
Simpson Electric Co
M L Snyder & Son
Soiltest Inc
Superior Elec Co
Thermal American Fused Quartz

LABORATORY FURNITURE
Fisher Scientific

Ballymore Co
S Blickman, Inc
Browne-Morse Co
Controlled Atmosphere Enclosures Mfg Co
Kewaunee Mfg Co
Laboratory Furniture Co
Edw Renneburg & Sons Co

LABORATORY GLASSWARE
Fisher Scientific
Standard Scientific Supply Corp

Clay-Adams
Corning Glass Works
Fischer & Porter Co
Kimble Glass Co
Laboratory Equipment
Popper & Sons
Scientific Glass Apparatus Co

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Firmaline Products
Fluorulon Labs
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National Vulcanized Fibre Co
Par-pak Co
Protective Lining Corp
Spiral-Glas Paper Co
St Regis Paper Co
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Engelhard Industries

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Engelhard Industries

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Uhrden, Inc
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Central States Paper & Bag Co
Delaware Barrel & Drum Co
Dura-Lee Corp
Flexi-Liner Co
LaFavorite Rubber Mfg Co
Par-pak Co
Pelamay Products
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Gates Engrg Co
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Haynes Stellite Co
Heil Process Equipment Corp
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Polymer Corp
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Nooter Corp
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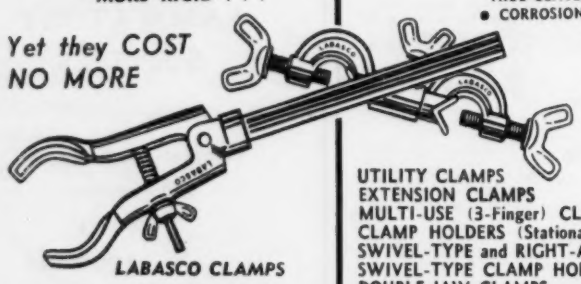
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Gates Engrg Co
Gates Rubber Co
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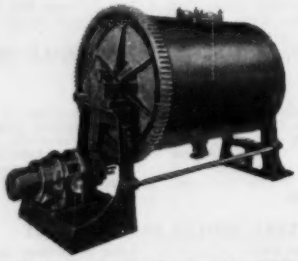
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J P Devine Mfg Co
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Abbe Engrg Co

Chemicolloid Labs Inc
Gifford-Wood Co
Kinetic Dispersion Corp
Manton-Gaulin Mfg Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Charles Ross & Son Co
Tri-Homo Corp
Union Process Co

MILLS, COMPACTING

Abbe Engrg Co

Allis-Chalmers Mfg Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Charles Ross & Son Co

MILLS, CONICAL

Abbe Engrg Co

Hardinge Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Charles Ross & Son Co

MILLS, DISK

International Engrg Inc
Franklin P Miller & Son
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Tri-Homo Corp

MILLS, DISPERSION

Abbe Engrg Co
J H Day Co Div

Paul O Abbe
Chemicolloid Labs Inc
Gardner Lab
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Pulverizing Machy Div
Charles Ross & Son Co
Strong-Scott Mfg Co
Tri-Homo Corp
Union Process Co

MILLS, DRY-COLOR

Abbe Engrg Co
J H Day Co Div
Pulva Corp

Allis-Chalmers Mfg Co
Majac, Inc
Franklin P Miller & Son
Pulverizing Machy Div
Charles Ross & Son Co
Sturtevant Mill Co

MILLS, FLAKING

J H Day Div

Allis-Chalmers Mfg Co
Carthage Mach Co
Franklin P Miller & Son
Sprout, Waldron & Co

MILLS, GRANULATING

Abbe Engrg Co
J H Day Co Div
Pulva Corp

Allis-Chalmers Mfg Co
American Pulverizer Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Jeffrey Mfg Co
Franklin P Miller & Son
Myers Sherman Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co

MILLS, GRINDING

Abbe Engrg Co
Bonnot Co
J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Paul O Abbe
Airetool Mfg Co
Allis-Chalmers Mfg Co
American Pulverizer Co
Babcock & Wilcox Co, Boiler Div
C W Brabender Instruments
Buffalo Hammer Mill Corp
Chemicolloid Labs
Denver Equipment Co
Dravo Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hardinge Co
Jeffrey Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Majac, Inc
Franklin P Miller & Son
Myers Sherman Co
Nordberg Mfg Co
Patterson Foundry & Mach Co
Prater Pulverizer Co
Pulverizing Machy Div
Edw Renneburg & Sons Co
Rietz Mfg Co
Charles Ross & Son Co
F L Smidth & Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
Stedman Foundry & Mach Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Traylor Engrg & Mfg Co
Union Process Co
United States Stoneware Co
Williams Patent Crusher & Pulverizer Co

MILLS, HAMMER

Abbe Engrg Co
Bonnot Co
►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Allis-Chalmers Mfg Co
American Pulverizer Co
Buffalo Hammer Mill Corp
First Machy Corp
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Myers Sherman Co
Prater Pulverizer Co
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co

MILLS, HOG

American Pulverizer Co
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Rietz Mfg Co
Stedman Foundry & Mach Co
Williams Patent Crusher & Pulverizer Co

MILLS, IMPACT

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Allis-Chalmers Mfg Co
American Pulverizer Co
Gruendler Crusher & Pulverizer Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Prater Pulverizer Co
Pulverizing Machy Div
Charles Ross & Son Co
Stedman Foundry & Mach Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Williams Patent Crusher & Pulverizer Co

MILLS, INK

Abbe Engrg Co
J H Day Co Div

Paul O Abbe
J P Devine Mfg Co
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Tri-Homo Corp

MILLS, JACKETED BALL

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp

Paul O Abbe
Allis-Chalmers Mfg Co
J P Devine Mfg Co
Dravo Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Union Process Co

MILLS, JAR

Abbe Engrg Co

Paul O Abbe
Gardner Lab
McDanel Refractory Porcelain Co
Patterson Foundry & Mach Co
United States Stoneware Co

MILLS, LABORATORY

Abbe Engrg Co
J H Day Co Div
Fisher Scientific
Pulva Corp
Standard Scientific Supply Corp

Paul O Abbe
American Pulverizer Co
C W Brabender Instruments
Buffalo Hammer Mill Corp
Chemicolloid Labs
Denver Equipment Co
J P Devine Mfg Co
Gardner Lab
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Kinetic Dispersion Corp
Manton-Gaulin Mfg Co
McDanel Refractory Porcelain Co
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co
Tri-Homo Corp
Union Process Co
United States Stoneware Co

MILLS, PAINT

Abbe Engrg Co
J H Day Co Div

Paul O Abbe
C W Brabender Instruments
Dravo Corp
Gardner Lab
Gifford-Wood Co
Kinetic Dispersion Corp
Franklin P Miller & Son
Patterson Foundry & Mach Co
Pulverizing Machy Div
Charles Ross & Son Co
Tri-Homo Corp
Union Process Co

MILLS, PASTE

J H Day Co Div

C W Brabender Instruments
Dravo Corp
Kinetic Dispersion Corp
Franklin P Miller & Son
Pulverizing Machy Div
Patterson Foundry & Mach Co
Rietz Mfg Co
Charles Ross & Son Co
United States Stoneware Co

MILLS, PELLET

►Kennedy Van Saun Mfg & Engrg Corp

Franklin P Miller & Son
Pulverizing Machy Div
Edw Renneburg & Sons Co
Sprout, Waldron & Co

MILLS, PUG

Bonnot Co

Boardman Co
Combustion Engrg
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Link-Belt Co
Franklin P Miller & Son
Patterson Foundry & Mach Co
Posey Iron Works
Edw Renneburg & Sons Co
Sturtevant Mill Co

MILLS, ROD

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp

Allis-Chalmers Mfg Co
Denver Equipment Co
Dravo Corp
Gruendler Crusher & Pulverizer Co
Hardinge Co
Nordberg Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Traylor Engrg & Mfg Co

MILLS, ROLLER

Abbe Engrg Co
J H Day Co Div

Allis-Chalmers Mfg Co
B F Gump Co
Hardinge Co
Franklin P Miller & Son
Edw Renneburg & Sons
Charles Ross & Son Co
Sprout, Waldron & Co
Sturtevant Mill Co

MILLS, STONE

Abbe Engrg Co
J H Day Co Div

Denver Equipment Co
Franklin P Miller & Son
Charles Ross & Son Co
Stedman Foundry & Mach Co
Sturtevant Mill Co
Traylor Engrg & Mfg Co

MILLS, TUBE

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp

Paul O Abbe
Allis-Chalmers Mfg Co
Dravo Corp
Hardinge Co
Nordberg Mfg Co
Patterson Foundry & Mach Co
Edw Renneburg & Sons Co
Traylor Engrg & Mfg Co

MILLS, TUMBLING

Abbe Engrg Co

Paul O Abbe
Hardinge Co
O G Kelley & Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
W W Sly Mfg Co
Traylor Engrg & Mfg Co
Wheelabrator Corp

MILLS, VERTICAL

J H Day Co Div

Franklin P Miller & Son
Pulverizing Machy Div
Rietz Mfg Co
Charles Ross & Son Co
Sturtevant Mill Co
Traylor Engrg & Mfg Co
Tri-Homo Corp

MIRRORS

Semon Bache & Co
Bausch & Lomb Optical Co
Philip Carey Mfg Co

MIXERS, AIR DRIVEN

►Eastern Industries
Fisher Scientific
Mixing Equipment Co

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
J P Devine Mfg Co
Gifford-Wood Co
Gray Co
International Engrg Inc
New England Tank & Tower Co
Nooter Corp

MIXERS, ANGULAR

►Eastern Industries
Mixing Equipment Co

Alsop Engrg Corp
Chemineer, Inc
Conn & Co
J P Devine Mfg Co
International Engrg Inc
Charles Ross & Son Co
New England Tank & Tower Co
Nooter Corp

Lightnin® Mixers

(MIXCO® Engineered)

Complete service on fluid mixing needs



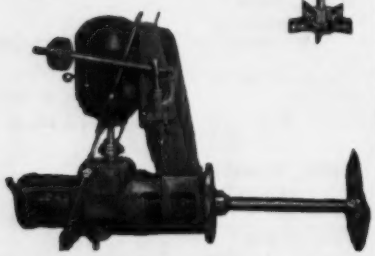
PORTABLE

More than 30 models, from ⅛ to 3 HP. Electric and air motor types. Direct-drive and gear-drive mixers for every application. Fully described in Catalog B-108.



TOP OR BOTTOM ENTERING

Propeller, paddle and turbine types. Sizes ¼ to 500 HP. Included are new Series "E" Lightnin Mixers with up to 16 interchangeable speeds in standard gear reducer. For details, request Catalog B-103 (propeller types); Catalog B-102 (paddle and turbine types); Catalog B-111 (rotary mechanical seals).



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For tanks to 5 million gallons capacity. Sizes 1 to 25 HP. Gear-drive; V-belt drive. Request Catalog B-104.

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Precision built Lightnin Mixers for laboratories and small-batch production. Electric or air driven. Request Bulletin B-112.

Lightnin Mixer advantages

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Easy conversion if process changes
Widest selection of impellers, mountings, materials
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Delivered complete, ready to operate
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MIXCO fluid mixing specialists

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Alsop Engrg Corp
American Well Works
Barber-Greene Co
Buflovak Equipment Div
Chain Belt Co
Chemineer Inc
Arthur Colton Co
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Dravo Corp
General American Transportation Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hayes & Stoltz Industrial Co
Hodgson Equipment Co
Infilco Inc
International Engrg Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Munson Mill Machy Co
Myers Sherman Co
New England Tank & Tower Co
Nooter Corp
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Patterson-Kelley Co
Posey Iron
Prater Pulverizer Co
Rapids Machy Co
Edw Renneburg & Sons Co
Reynolds Elec Co
Charles Ross & Son Co
Safety Industries, Entoleter Div
Sprout, Waldron & Co
Stedman Foundry & Mach Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Terrios Div
Tri-Homo Corp

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►Eastern Industries
Mixing Equipment Co

Allied Steel Products Corp
Alsop Engrg Corp
Combustion Engrg
J P Devine Mfg Co
Gruendler Crusher & Pulverizer Co
Nooter Corp
Charles Ross & Son Co

MIXERS, CENTRIFUGAL

J H Day Co Div
►Eastern Industries
Mixing Equipment Co

Allied Steel Prodscts Corp
Alsop Engrg Corp
Boardman Co
Nooter Corp
Charles Ross & Son Co
Safety Industries, Entoleter Div
Sprout, Waldron & Co

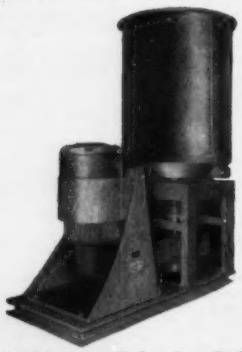
MIXERS, CHANGE CAN

Abbe Engrg Co
J H Day Co Div
►Eastern Industries

ABBÉ DISPERSALL MIXERS

for

Dispersing, Emulsifying, Milling in ONE OPERATION



Applicable to all kinds of fluid mixes from thin slurries to pastes.

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Boardman Co
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Dravo Corp
Gruendler Crusher & Pulverizer Co
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Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Edw Renneburg & Sons
Charles Ross & Son Co
F J Stokes Corp

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Alsop Engrg Corp
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Bethlehem Foundry & Mach Co
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Chemineer Inc
Conn & Co
Denver Equipment Co
Derr-Oliver, Inc
Gas Machy Co
General American Transportation Corp
Gifford-Wood Co
Girdler Process Equipment Div
Gruendler Crusher & Pulverizer Co
B F Gump Co
Hellfikainen Instruments
Infilco Inc
International Engrg Inc
Johnson-March Corp
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Safety Industries Entoleter Div
Schutte & Koerting Co
Sprout, Waldron & Co
Strong-Scott Mfg Co
Tri-Homo Corp

MIXERS, DISK

Mixing Equipment Co

Alsop Engrg Corp
Conn & Co
Nooter Corp
Charles Ross & Son Co
Sprout, Waldron & Co
Tri-Homo Corp

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Buflovak Equipment Div
Camden Copper Works
Colonial Iron Works Co
Arthur Colton Co
Conn & Co
J P Devine Mfg Co
Dravo Corp
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Posey Iron Works
Rapids Machy Co
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Safety Industries, Entoleter Div
Sprout, Waldron & Co
Star Tank Filter Corp
F J Stokes Corp
Strong-Scott Mfg Co
Sturtevant Mill Co

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►Eastern Industries

American Gas Furnace Co
bryant Industrial Products
Centrifix Corp
Eclipse Fuel Engrg Co
C M Kemp Mfg Co
Nooter Corp
Mid-Continent Metal Products Co
North American Mfg Co
Republic Mfg Co
Schutte & Koerting Co
Yeomans Bros Co

MIXERS, GATE

►Eastern Industries
Mixing Equipment Co

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Chemineer Inc
Conn & Co
J P Devine Mfg Co
International Engrg Inc
New England Tank & Tower Co
Nooter Corp
Charles Ross & Son Co
Star Tank & Filter Corp

MIXERS, HEATED, STEAM-JACKETED

Abbe Engrg Co
J H Day Co Div
Mixing Equipment Co

►See catalog advertisement (Advertisers Index)
See company directory for addresses

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Alsop Engrg Corp
Buflovak Equipment Div
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Conn & Co
J P Devine Mfg Co
First Machy Corp
General American Transportation Corp
Gifford-Wood Co
Graver Tank & Mfg Co
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Manning & Lewis Engrg Co
McGregor-Michigan Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Read Standard Div
Rietz Mfg Co
Charles Ross & Son Co
Ernest Scott & Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Struthers Wells Corp

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J H Day Co Div
►Eastern Industries
Fisher Scientific
Mixing Equipment Co

Paul O Abbe
Alsop Engrg Corp
American Instrument Co
C W Brabender Instruments
Brookfield Engrg Labs
Buflovak Equipment Div
Central Scientific Co
Chemicolloid Labs, Inc
Chemineer Inc
Clay-Adams
Combustion Engrg
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Eberbach Corp
Ertel Engrg Corp
Gruendler Crusher & Pulverizer Co
Gifford-Wood Co
Hallikainen Instruments
Hodgson Equipment Co
International Engrg Inc
Kinetic Dispersion Corp
Franklin P Miller & Son
New England Tank & Tower Co
Patterson-Kelley Co
Posey Iron Works
Rapids Machy Co
Read Standard Div
Charles Ross & Son Co
Safety Industries, Entoleter Div
Sprout, Waldron & Co
Star Tank & Filter Corp
Terriss Div
United States Stoneware

MIXERS, LIQUID

Abbe Engrg Co
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►Eastern Industries
Mixing Equipment Co

Allied Steel Products Corp
Alsop Engrg Corp
American Well Works
S Blickman Inc
Buflovak Equipment Div
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Chemineer Inc
Colonial Iron Works Co
Arthur Colton Co
Conn & Co
J P Devine Mfg Co
Ertel Engrg Corp
General American Transportation Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Infilco Inc
International Engrg Inc
Kinetic Dispersion Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Read Standard Div
Reitz Mfg Co
Charles Ross & Son Co
Safety Industries, Entoleter Div
Schutte & Koerting Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div
Tri-Homo Corp

MIXERS, PADDLE

Abbe Engrg Co
J H Day Co Div
►Eastern Industries
Eastman Kodak Co
Mixing Equipment Co

Allied Steel Products Corp
Alsop Engrg Corp
American Well Works
Barber-Greene Co
Boardman Co
Buflovak Equipment Div
Chemineer Inc
R D Cole Mfg Co
Combustion Engrg
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Hayes & Stoltz Industrial Co
International Engrg Inc
Jeffrey Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
McGregor-Michigan Corp
Franklin P Miller & Son
Munson Mill Machy Co
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Posey Iron Works
Rapids Machy Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co
Terriss Div

MIXERS, PAN

J H Day Co Div
Mixing Equipment Co

Bethlehem Foundry & Mach Co
Buflovak Equipment Div
J P Devine Mfg Co
International Engrg Inc
Nooter Corp
Charles Ross & Son Co
Stedman Foundry & Mach Co

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J H Day Co Div
►Eastern Industries
►Kennedy Van Saun Mfg & Engrg Corp
Mixing Equipment Co

Paul O Abbe
Allied Steel Products Corp
Buflovak Equipment Div
Chemineer Inc
Arthur Colton Co
Conn & Co
J P Devine Mfg Co
International Engrg Inc
Manning & Lewis Engrg
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp

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J H Day Co Div
►Eastern Industries
Mixing Equipment Co

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Alsop Engrg Corp
Buflovak Equipment Div
Chemicolloid Labs, Inc
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Kinetic Dispersion Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Posey Iron Works
Read Standard Div
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp

MIXERS, PIPE LINE

Mixing Equipment Co

Allied Steel Products Corp
Alsop Engrg Corp
American Well Works
Chemicolloid Labs, Inc
Chemineer Inc
Conn & Co
Gifford-Wood Co
International Engrg Inc
New England Tank & Tower Co
Schutte & Koerting Co

MIXERS, PONY

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►Eastern Industries

Baker Perkins
Arthur Colton Co
Charles Ross & Son Co

MIXERS, PORTABLE

Abbe Engrg Co
J H Day Co Div
►Eastern Industries
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Barber-Greene Co
Buflovak Equipment Div
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Chemineer Inc
Conn & Co
J P Devine Mfg Co
Ertel Engrg Corp
First Machy Corp
Gifford-Wood Co
Hodgson Equipment Co
International Engrg Inc
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Sprout, Waldron & Co
Terriss Div

MIXERS, PRESSURE & VACUUM

Abbe Engrg Co
J H Day Co Div
►Eastern Industries
Mixing Equipment Co

Paul O Abbe
Allied Steel Products Co
Alsop Engrg Corp
Baker Perkins
Boardman Co
Buflovak Equipment Div
Chemineer Inc
Colonial Iron Works Co
Conn & Co
J P Devine Mfg Co
General American Transportation Corp
Gifford-Wood Co
Gruendler Crusher & Pulverizer Co
Graver Tank & Mfg Co
International Engrg Inc
McGregor-Michigan Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Read Standard Div
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Struthers Wells Corp
Tri-Homo Corp

MIXERS, PROPELLER

►Eastern Industries
Mixing Equipment Co

Alsop Engrg Corp
American Well Works
Buflovak Equipment Div
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Eberbach Corp
Ertel Engrg Corp
General American Transportation Corp
International Engrg, Inc
Manning & Lewis Engrg
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp
Struthers Wells Corp
Terriss Div

MIXERS, RADIAL PROPELLER

Mixing Equipment Co

Alsop Engrg Corp
Bethlehem Foundry & Mach Co
Chemineer Inc
Conn & Co
Denver Equipment Co
J P Devine Mfg Co
Ertel Engrg Corp
International Engrg, Inc
Kinetic Dispersion Corp
New England Tank & Tower Co
Nooter Corp
Patterson Foundry & Mach Co
Charles Ross & Son Co
Star Tank & Filter Corp

MIXERS, REVOLVING DRUM

Abbe Engrg Co
Standard Steel Corp

Paul O Abbe
Boardman Co
Camden Copper Works
Chain Belt Co
Denver Equipment Co
Gruendler Crusher & Pulverizer Co
Hodgson Equipment Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Munson Mill Machy Co
Nooter Corp
Edw Renneburg & Sons Co
Charles Ross & Son Co
Stedman Foundry & Mach Co
Sturtevant Mill Co
Terriss Div

MIXERS, RIBBON

J H Day Co Div

Paul O Abbe
J P Devine Mfg Co
First Machy Corp
Gruendler Crusher & Pulverizer Co
Hayes & Stoltz Industrial
International Engrg Inc
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Jeffrey Mfg Co
Franklin P Miller & Son
Materials Handling Equipment Co
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Read Standard Div
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co
Star Tank & Filter Corp
Strong-Scott Mfg Co

MIXERS, SIDE-ENTERING

►Eastern Industries
Mixing Equipment Co

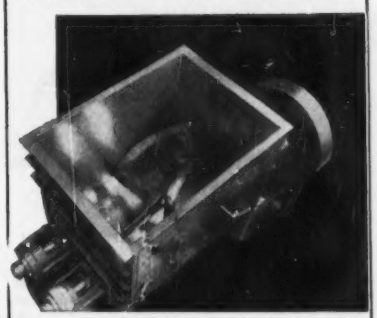
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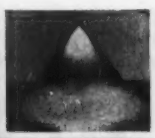
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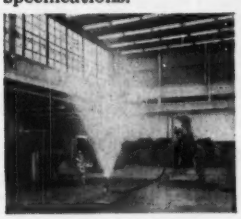


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►Gilman Paper Co
Union Bag-Camp Paper Corp

Continental Can Co, Containerboard & Kraft Paper Div
Cromwell Paper Co
St Regis Paper Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

PAPER, INSULATING

Johns-Manville
Union Bag-Camp Paper Corp

St Regis Paper Co

PAPER SPOOLS

R C Can Co

PAPER, TWISTED

►Gilman Paper Co

PAPER, WATERPROOF

Union Bag-Camp Paper Corp

Cromwell Paper Co
Gaylord Container Corp
International Paper Co
Owens-Illinois Glass Co, Mill Div

PASTE MIXING MACHINERY

J H Day Co Div
Mixing Equipment Co

Paul O Abbe
Baker Perkins
Buflovak Equipment Div
Chemineer Inc
Arthur Colton Co
J P Devine Mfg Co
Dravo Corp
International Engrg, Inc
Kinetic Dispersion Corp
Rietz Mfg Co
Charles Ross & Son Co
Star Tank & Filter Corp

PASTEURIZERS

DeLaval Separator Co
Island Equipment Corp
Terriss Div

PELLETIZERS

►Kennedy Van Saun Mfg & Engrg Corp
Taylor, Stiles & Co

Allis-Chalmers Mfg Co
Boardman Co
Dravo Corp
General American Transportation Corp
Hardinge Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Jarrell-Ash Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Sprout, Waldron & Co
Stearns-Roger Mfg Co
F J Stokes Corp

PERCOLATORS

Terriss Div

pH COLORIMETER

Fisher Scientific

Milton Roy Co
W A Taylor & Co

pH CONTROL APPARATUS

Allis-Chalmers Mfg Co
American Water Softener Co
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Foxboro Co
Swartwout Co
W A Taylor & Co

pH MEASURING & RECORDING INSTRUMENTS

Fisher Scientific

American Instrument Co
Bailey Meter Co
Barber-Colman Co
Beckman Instruments, Scientific & Process Instruments Divs
Bristol Co
Brown Instruments Div
Foxboro Co
Hays Corp
Harold Kruger Instruments
Manning, Maxwell & Moore, Inc
Milton Roy Co
Swartwout Co
Wallace & Tiernan Inc

PHOTOMETERS

Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Baird-Atomic, Inc

PHOTOMETERS, LIGHT TRANSMISSION

Eastman Kodak Co
Fisher Scientific

Coleman Instruments
Gardner Lab
Harold Kruger Instruments

PHOTOMICROGRAPHIC EQUIPMENT

Fisher Scientific

Bausch & Lomb Optical Co

PILL MACHINERY

Popper & Sons
Charles Ross & Son Co
F J Stokes Corp

PILLOW BLOCKS

Ampco Metal
Chain Belt Co
Dodge Mfg Corp
Heil Process Equipment Corp
Link-Belt Co
SKF Industries
Stephens-Adamson Mfg Co

PIPE, ACID RESISTING

Du Verre, Inc
National Carbon Co Div
►Resistoflex Corp

Allegheny Ludlum Steel Corp
Allied Steel Products Corp
American Brass Co
American Cast Iron Pipe
American Hard Rubber Co Div
Ampco Metal
Automotive Rubber Co
Babcock & Wilcox Co, Tubular Products Div
Carl N Beetle Plastics
Bridgeport Brass Co
A M Byers Co
Chase Chem Corp
Clayton Mark & Co
Corning Glass Works
Crucible Steel Co of America
Electric Steel Foundry Co
Evanite Plastic Co
Evans Pipe Co
Falls Industries
Fibercast Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Haynes Stellite Co
Heil Process Equipment Corp
International Nickel Co
Maurice A Knight Co
LaFavorite Rubber Mfg Co
Logan Clay Products Co
Luzerne Rubber Co
Pfaudler Co Div
Plastic Applicators
Polymer Corp
Republic Steel Corp, Steel & Tubes Div
Resiste Pipe & Valve Co
Revere Copper & Brass
Robinson Clay Product Co
Schori Process Div
Spiral-Glas Pipe Co
Thermal American Fused Quartz
Union Steel Corp
United States Stoneware Co
Wendnagel & Co
Wolverine Tube Div
Wyatt's Plastics, Inc

PIPE, ALUMINUM BRONZE

Allied Steel Products Corp
American Brass Co
Ampco Metal
Bridgeport Brass Co
Harvey Aluminum
Continental Boiler & Sheet Iron Works
Heil Process Equipment Corp
Revere Copper & Brass

PIPE, ASBESTOS CEMENT

Johns-Manville

PIPE, CLAY, VITRIFIED

Evans Pipe Co
General Ceramics Corp
A P Green Fire Brick Co
Logan Clay Products Co
Robinson Clay Product Co

PIPE, COPPER

Allied Steel Products Corp
Bridgeport Brass Co
Chase Brass & Copper Co
Maurice A Knight Co
Plastic Applicators
Revere Copper & Brass
Wolverine Tube Div

PIPE, CORROSION RESISTING

Dow Chem Co
Du Verre, Inc
Johns-Manville
National Carbon Co Div
►Resistoflex Corp

Allegheny Ludlum Steel Corp
Allied Steel Products Corp
Amercoat Corp
American Brass Co
American Cast Iron Pipe Co
American Hard Rubber Co
American Smelting & Refining Co
Ampco Metal
Arrow Tank Co
Automotive Rubber Co
Babcock & Wilcox Co, Tubular Products Div
Barnstead Still & Sterilizer Co
Carl N Beetle Plastics Corp
Bridgeport Brass Co
A M Byers Co
Chase Chem Corp
Clayton Mark & Co
Corning Glass Works
Crucible Steel Co of America
Electric Steel Foundry Co
Engelhard Industries
Evans Pipe Co
Fibercast Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics, Rubber
Greenville Tubes, Inc
Harvey Aluminum
Haynes Stellite Co
Heil Process Equipment Corp
International Nickel Co
O G Kelley & Co
LaFavorite Rubber Mfg Co
Lapp Insulator Co
Lead Lined Iron Pipe Co
Logan Clay Products Co
Luzerne Rubber Co
W K Mitchell & Co
Pfaudler Co Div
Plastic Applicators
Polymer Corp
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Robinson Clay Product Co
Schori Process Div
Spiral-Glas Pipe Co
Swepco Tube Corp
Thermal American Fused Quartz
Union Steel Corp
United States Stoneware Co
Wendnagel & Co
Wolverine Tube Div
Wyatt's Plastics, Inc

PIPE COVERINGS, MAGNESIA

Johns-Manville

Philip Carey Mfg Co
Eagle-Picher Co

PIPE, FLANGED

Dow Chem Co

Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Continental Boiler & Sheet Iron Works
Crane Co
Electric Steel Foundry Co
B F Goodrich Industrial Prod Co, Plastics
Fibercast Co
General Ceramics Corp
M W Kellogg Co
Luzerne Rubber Co
W K Mitchell & Co
Myers Sherman Co
Spiral-Glas Pipe Co
Stainless Products, Inc

PIPE, GLASS

Corning Glass Works
Fischer & Porter Co

PIPE, GLASS LINED

Pfaudler Co Div
A O Smith Corp

PIPE, GRAPHITE

National Carbon Co Div

Heil Process Equipment Corp
Stackpole Carbon Co

PIPE, HARD RUBBER

American Hard Rubber Co
Gates Rubber Co
B F Goodrich Industrial Prod Co, Plastics
LaFavorite Rubber Mfg Co
Luzerne Rubber Co
United States Rubber Co

PIPE, HEAT RESISTING

Allied Steel Products Corp
American Cast Iron Pipe Co
Babcock & Wilcox Co, Tubular Products Div
Crucible Steel Co of America
Elbonic Steel Foundry Co
Greenville Tubes, Inc
Haynes Stellite Co
International Nickel Co
Luzerne Rubber Co
W K Mitchell & Co
Republic Steel Corp, Steel & Tubes Div
Stainless Products, Inc
Wolverine Tube Div

PIPE, LEAD

American Smelting & Refining Co
Heil Process Equipment Corp
O G Kelley & Co
Knapp Mills
Lead Lined Iron Pipe Co

PIPE, NICKEL & NICKEL ALLOY

Allied Steel Products Corp
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co, Platinum Works
Brady Conveyors Corp
Bridgeport Brass Co
Continental Boiler & Sheet Iron Works
Electric Steel Foundry Co
Crucible Steel Co of America
Haynes Stellite Co
International Nickel Co
O G Kelley & Co
Stainless Products, Inc
Swepco Tube Corp
Wyatt Metal & Boiler Works, Inc

PIPE, PLASTIC

Dow Chem Co
►Goodall Rubber Co
►Resistoflex Corp

Alpha Plastics
American Brass Co
American Hard Rubber Co
Carl N Beetle Plastics Corp
A M Byers Co
Crane Co
Evanite Plastic Co
Fibercast Co
Fluorulon Labs
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics
Heil Process Equipment Corp
Houghton Labs Inc
Polymer Corp
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Reliance Plastic & Chem Corp
Republic Steel Corp
Schori Process Div
A O Smith Corp
Spiral-Glas Pipe Co
United States Rubber Co
United States Stoneware Co
Wyatt's Plastics, Inc

PIPE, PORCELAIN

General Ceramics Corp
Lapp Insulator Co
Plastic Applicators
United States Stoneware Co

PIPE, RESIN-BONDED FIBERGLASS

Du Verre, Inc
►Resistoflex Corp

Amercoat Corp
Carl N Beetle Plastics Corp
Fibercast Co
General Ceramics Corp
Heil Process Equipment Corp
Maurice A Knight Co
Schori Process Div
Spiral-Glas Pipe Co

PIPE, RUBBER LINED

►Goodall Rubber Co

American Hard Rubber Co Div
Automotive Rubber Co
Chase Chem Corp
Continental Boiler & Sheet Iron Works
Galigher Co
Gates Engrg Co
Gates Rubber Co
Luzerne Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Heil Process Equipment Corp
Plastic Applicators
Raybestos-Manhattan
United States Rubber Co
Wyatt's Plastics, Inc

PIPE, STAINLESS STEEL

►Allied Chem Corp, Semet-Solvay Engrg Div

Allegheny Ludlum Steel
Allied Steel Products Corp
American Cast Iron Pipe Co
American Instrument Co
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co, Platinum Works
S Blickman, Inc
Carpenter Steel Co
Chase Brass & Copper Co
Continental Boiler & Sheet Iron Works
Clayton Mark & Co
Crucible Steel Co of America
Electric Steel Foundry Co
Greenville Tubes Inc
M W Kellogg Co
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div
Stainless Products, Inc
Union Steel Corp
Wyatt Metal & Boiler Works, Inc

PIPE, STEAM-JACKETED

Allied Steel Products Corp
Boardman Co
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
Fiori Pipe Co
W K Mitchell & Co
Parks-Cramer Co
Pfaudler Co Div
Red Jacket Co
Stainless Products, Inc
Vulcan-Cincinnati

PIPE, STEEL

►Allied Chem Corp, Semet-Solvay Engrg Div

Alco Products Inc
Babcock & Wilcox Co, Tubular Products Div
Bethlehem Steel Co
J Bishop & Co Platinum Works
Continental Boiler & Sheet Iron Works
Crane Co
Crucible Steel Co of America
Electric Steel Foundry Co
M W Kellogg Co
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Republic Steel Corp
Wickwire Spencer Steel Div
Wyatt Metal & Boiler Works, Inc

PIPE, STONEWARE

General Ceramics Corp
Maurice A Knight Co
United States Stoneware Co

PIPE, WOOD

Arrow Tank Co
Hauser-Stander Tank Co
Marley Co
Wendnagel & Co

PIPE, WROUGHT IRON

A M Byers

PIPETTES, AUTOMATIC

Fisher Scientific
Standard Scientific Supply Corp
Posey Iron Works

PIPING, PREFABRICATED

►Resistoflex Corp

Alco Products
Allied Steel Products Corp
Ampco Metal
Artisan Metal Products
Boardman Co
Crane Co
Dravo Corp
Fibercast Co
Fiori Pipe Co
M W Kellogg Co
W K Mitchell & Co
Southwest Fabricating & Welding Co
Spiral-Glas Pipe Co
Stearns-Roger Mfg Co
Taylor Div
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc
Wyatt's Plastics, Inc

PLASTIC MOLDED PARTS

Du Verre, Inc
►Resistoflex Corp

American Hard Rubber Co
Carl N Beetle Plastics Corp
Fibercast Co
Firmaline Products
General American Transportation Corp
B F Goodrich Industrial Prod Co, Plastics
H N Hartwell & Son
Houghton Labs Inc
Kinetic Dispersion Corp
Lucerne Rubber Co
Owens-Illinois Glass Co, Closure & Plastics Div
Plastic Applicators
Raybestos-Manhattan
St Regis Paper Co
Sparta Mfg Co
United States Rubber Co
United States Stoneware Co
Wyatt's Plastics, Inc

PLASTIC SHEETING, VINYL

►Borden Chem Co

Amercoat Corp
B F Goodrich Industrial Prod Co, Plastics
Knapp Mills Inc
Luzerne Rubber Co
Pelamay Products
Protective Lining Corp
Reliance Plastic & Chem Corp
Union Carbide Plastics Co
United States Rubber Co
United States Stoneware Co
Wyatt's Plastics, Inc

PLATES, MAGNETIC

Eriez Mfg Co
Stearns Magnetic Product

PLATFORMS, TANK, LOADING

Black, Sivalls & Bryson
Boardman Co

PLATFORMS, WORK

Ballymore Co
Boardman Co
Economy Engrg Co
Hodgson Equipment Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Wyatt Metal & Boiler Works, Inc

PLATING EQUIPMENT

Du Verre, Inc
►Metal & Thermit Corp

Automotive Rubber Co
Carl N Beetle Plastics Corp
Heil Process Equipment Corp
Consolidated Electrodynamics Corp, Rochester Div
NRC Equipment Corp
Platecoil Div

PLUGS

H K Porter Co, Forge & Fittings Div
Ladish Co

PNEUMATIC DISPATCH SYSTEMS

Standard Conveyor Co

POLORAGRAPHS

Fisher Scientific
Standard Scientific Supply Corp

PONDS, SPRAY

Arrow Tank Co
Marley Co

PORCELAIN, ACID-PROOF

Filtros Inc
General Ceramics Corp
Maurice A Knight Co
Lapp Insulator Co
Porcelain Div, Ferro Corp
United States Stoneware Co

PORCELAIN EQUIPMENT

General Ceramics Corp
International Engrg Inc
Maurice A Knight Co
Lapp Insulator Co
United States Stoneware Co

PORCELAIN LINING & BALLS

Paul O Abbe
General Ceramics Corp
McDanel Refractory Porcelain Co
Patterson Foundry & Mach Co
United States Stoneware Co

PORCELAIN WARE

Fisher Scientific
Standard Scientific Supply Corp

Filtros Inc
General Ceramics Corp
Kalamazoo Tank & Silo Co
Lapp Insulator Co
Laboratory Equipment Corp
Star Porcelain Co
United States Stoneware Co

POTENTIOMETERS

Fisher Scientific

Beckman Instruments, Heliport Div
Bristol Co
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Perkin-Elmer Corp
Thermo Elec Co
Thwing-Albert Instrument Co
Williamson Development Co

POTS, HEATED, ELECTRICALLY

Bethlehem Foundry & Mach Co
Buflovak Equipment Div
General Elec Co, Apparatus Sales Div

POTS, MELTING

Alco Products
Allied Steel Products Corp
American Gas Furnace Co
Buflovak Equipment Div
Continental Boiler & Sheet Iron Works
Edw Renneburg & Sons
General Elec Co, Apparatus Sales Div
Surface Combustion Corp
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

POTS, MIXING

Allied Steel Products Corp
Buflovak Equipment Div
Continental Boiler & Sheet Iron Works
International Engrg Inc
Edw Renneburg & Sons
Charles Ross & Son Co
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

POTS, NITRATING

Buflovak Equipment Div
General Elec Co, Apparatus Sales Div
Robinson Clay Product Co
Vulcan Mfg

POWER HOUSE EQUIPMENT

Allen-Sherman-Hoff Co
Bailey Meter Co
Boardman Co
General Elec Co, Apparatus Sales Div
Link-Belt Co

POWER TRANSMISSION MACHINERY

Allis-Chalmers Mfg Co
Chain Belt Co
Cleveland Worm & Gear Co
J C Corrigan Co
Dodge Mfg Corp
Falk Corp
Graham Transmissions, Inc
Great Western Mfg Co
Jeffrey Mfg Co
Link-Belt Co
Reliance Elec & Engrg Co

POWER UNITS

Allis-Chalmers Mfg Co
Lincoln Elec Co

PREBREAKERS

Buffalo Hammer Mill Corp
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sprout, Waldron & Co

PRECIPITATORS

Air-Maze Corp
Allied Steel Products Corp
American Standard Industrial Co
Boardman Co
Continental Boiler & Sheet Iron Works
Electro-Air Cleaner Co
S P Kinney Engrs Inc
Koppers Co, Metal Products Div
Knapp Mills
Link-Belt Co
Nooter Corp
Permutit Co
Research-Cottrell
Star Tank & Filter Corp
Western Precipitation Corp

PREHEATERS

►Fuller Co
►Kennedy Van Saun Mfg & Engrg Corp

Alco Products
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Artisan Metal Products
Boardman Co
Buflovak Equipment Div
Camden Copper Works
Condenser Service & Engrg Co
Downingtown Iron Works
Goslin-Birmingham Mfg Co
Heatron Inc
Johnson Corp
Leader Iron Works
Manning & Lewis Engrg Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Pfaudler Co Div
Reeve Electronics
Rietz Mfg Co
Southwestern Engrg Co
F J Stokes Corp
Submerged Combustion
Vulcan Mfg
Western Supply Co
Whitlock Mfg Co
Edwin L Wiegand Co

PREHEATERS, AIR

American Standard Industrial Div
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Combustion Engrg
Condenser Service & Engrg Co
Despatch Oven Co
Erie City Iron Works
Griscom-Russell Co
Heatron Inc
Manning & Lewis Engrg
Marlo Coil Co
National-U S Radiator Corp
Nooter Corp
Patterson-Kelley Co
Edw Renneburg & Sons Co
Thermal Research & Engrg Corp
Trane Co
Whitlock Mfg Co
Edwin L Wiegand Co

PRESSES, BRIQUETTING

Bonnot Co

Elmes Engrg Div
International Engrg Inc
F J Stokes Corp

PRESSES, CONTINUOUS

V D Anderson Co
Davenport Mach & Foundry Co
General American Transportation Corp

PRESSES, DEWATERING

V D Anderson Co
Davenport Mach & Foundry Co
General American Transportation Corp
Goslin-Birmingham Mfg Co
Edw Renneburg & Sons Co
Stearns-Roger Mfg Co

PRESSES, DRAWING

Cleveland Crane & Engrg
Elmes Engrg Div

PRESSES, EXTRUDING

Cleveland Crane & Engrg Co
Elmes Engrg Div
J C Corrigan Co
International Engrg Inc
F J Stokes Corp

PRESSES, HYDRAULIC

Brosites Mach Co

Adamson United Co
Bethlehem Steel Co
Cleveland Crane & Engrg
Electric Steel Foundry
Elmes Engrg Div
F J Stokes Corp
Wabash Metal Products Co

PRESSES, MOLDING

Brosites Mach Co

Adamson United Co
Durametallic Corp
Elmes Engrg Div
F J Stokes Corp

PRESSURE RELIEF DEVICES

Bryant Industrial Products
Klipfel Valves Inc
Pfaudler Co Div
C E Squires Co
Stewart-Warner Corp
Watts Regulator Co

PRESSURE VESSELS

Standard Steel Works
►Henry Vogt Mach Co

Alco Products
Allied Steel Products Corp
Alloy Products Corp
American Car & Foundry Div
Artisan Metal Products
Babcock & Wilcox Co, Boiler Div
Baker Perkins
Bethlehem Steel Co
S Blickman, Inc
Boardman Co
Bros, Inc
Buffovak Equipment Div
Chicago Bridge & Iron Co
Colonial Iron Works Co
Combustion Engrg
Delta Tank Mfg Co
J P Devine Mfg Co
Flint Steel Mfg Co
Foster Wheeler Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
International Engrg Inc
Kahn & Co
M W Kellogg Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Co
Nooter Corp
Parr Instrument Co
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Claude B Schneible Co
Southwestern Engrg Co
Star Tank & Filter Corp
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Terriss Div
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

PROCESSING UNITS, HORIZONTAL

Heyl & Patterson

Allied Steel Products Corp
Artisan Metal Products
Chicago Bridge & Iron Co
J P Devine Mfg Co
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
M W Kellogg Co
Konto Co
Manning & Lewis Engrg Co
Pfaudler Co Div
Star Tank & Filter Corp
Struthers Wells Corp
Whiting Corp

PROCESSING UNITS, PHOTOGRAPHIC

Eastman Kodak Co

Artisan Metal Products
Edw Renneburg & Sons Co

PROJECTORS, GAMMA RAY

Knapp Mills

PROPELLERS

Manning & Lewis Engrg Co
Star Tank & Filter Corp
Terriss Div

PROPORTIONING SYSTEMS, REMOTE WEIGHT

►Kennedy Van Saun Mfg & Engrg Corp

Manitowoc Shipbuilding, Chem Engrg Service Div
G Diehl Mateer Co
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Wallace & Tiernan, Inc

PSYCHROMETERS

Fisher Scientific

Bristol Co
Mine Safety Appliances
Precision Thermometer & Instrument Co
Wallace & Tiernan Inc
Weksler Instruments Corp

PULLEYS

American Pulley Co
Chain Belt Co
Dodge Mfg Corp
Great Western Mfg Co
Island Equipment Corp
Jeffrey Mfg Co
Lippmann Engrg Works
Mercury Industries
Sprout, Waldron & Co
Stephens-Adamson Mfg Co
United States Rubber Co
Worthington Corp

PULLEYS, MAGNETIC

Eriez Mfg Co
Stearns Magnetic Products

PULLEYS, REDUCTION

Hart Reduction Pulley Co
Worthington Corp

PULLEYS, VARIABLE SPEED

American Pulley Co
Dodge Mfg Corp
Gates Rubber Co
Reeves Pulley Co
Reliance Elec & Engrg Co

PULVERIZERS

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp
Pulva Corp

Allis-Chalmers Mfg Co
American Pulverizer Co
Babcock & Wilcox Co, Boiler Div
Bros, Inc
Buffalo Hammer Mill Corp
Buffovak Equipment Div
Erie City Iron Works
Gruendler Crusher & Pulverizer Co
Jeffrey Mfg Co
Lippmann Engrg Works
Majac, Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Myers Sherman Co
Pulverizing Machy Div
Rapids Machy Co
Edw Renneburg & Sons Co
Rietz Mfg Co
Riley Stoker Corp
Charles Ross & Son Co
Sarco Co
F L Smidth & Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Whiting Corp
Williams Patent Crusher & Pulverizer Co
Worthington Corp

PUMPS, ACID-RESISTING

Brosites Products Corp
Dow Chem Co
►Eastern Industries
National Carbon Co Div

Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Hard Rubber Co Div
American Instrument Co
American-Marsh Pumps
Aurora Pump Div
John Bean Div
Bingham Pump Co
Carver Pump Co
Chempump Corp
Clark-Cooper Co
Copper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Dorr-Oliver, Inc
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Falls Industries
Flood City Brass & Elec Co
Galigher Co
General Ceramics Corp
Gorman Rupp Co
Goulds Pumps
Gray Co
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
O G Kelley Co
Harold Kruger Instruments
Lapp Insulator Co
Lawrence Pumps
Lead Lined Iron Pipe Co
Lecourtenay Co
C W Logeman Co
Luzerne Rubber Co
Manton-Gaulin Mfg Co
Milton Roy Co
Mission Mfg Co
Nagle Pumps, Inc
Nash Engrg Co
Neptune Pump Mfg Co
Pacific Pumps, Inc
Resisto Pipe & Valve Co
Robbins & Myers
T Shriver & Co
Sigmamotor, Inc
Terriss Div
United States Stoneware Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
A P Wilfley & Sons Inc
Worthington Corp
Yeomans Bros Co

PUMPS, AIR MOTOR OPERATED

►Eastern Industries

Aldrich Pump Co
Alemite Div
American Instrument Co
Chicago Pneumatic Tool Co
Clark-Cooper Co
Easy Industries
Eco Engrg Co
Gray Co
Byron Jackson Pumps, Inc
Lapp Insulator Co
Milton Roy Co
H K Porter Co, Forge & Fittings Div
Reed Roller Bit Co
Roper Hydraulics
Ruthman Machy Co
Sigmamotor, Inc
Viking Pump Co
Worthington Corp

PUMPS, AXIAL FLOW

Allis-Chalmers Mfg Co
American Well Works
Bingham Pump Co
Carver Pump Co
Copper Alloy Corp
Ingersoll-Rand Co
Peerless Pump Div
Robbins & Myers
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, BOILER FEED

Aldrich Pump Co
Allis-Chalmers Mfg Co
American-Marsh Pumps
Aurora Pump Div
John Bean Div
Bingham Pump Co
Carver Pump Co
Clark-Cooper Co
Copper Alloy Corp
Dean Bros Pumps
Deming Co
Easy Industries
Fairbanks, Morse & Co
Foster Wheeler Corp
Girder Process Equipment Div
Griscom-Russell Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Johnson Corp
Lawrence Pump & Engine Co
Lecourtenay Co
Nash Engrg Co
Neptune Pump Mfg Co
Pennsylvania Pump & Compressor Co
Robbins & Myers
Warren Pumps
Worthington Corp

PUMPS, CANNED

Allis-Chalmers Mfg Co
Alsop Engrg Corp
Chempump Corp
Fostoria Pressed Steel Corp
General Elec Co, Apparatus Sales Div
Goulds Pumps
Heatron, Inc
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
C E Squires Co
C H Wheeler Mfg Co
Worthington Corp

PUMPS, CENTRIFUGAL

Dow Chem Co
►Eastern Industries
National Carbon Co Div

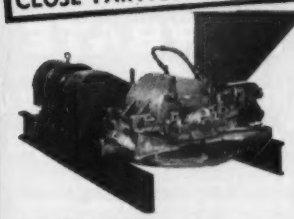
Allis-Chalmers Mfg Co
Alsop Engrg Corp
American-Marsh Pumps
American Well Works
Ampco Metal
Aurora Pump Div
Bell & Gossett Co
Bingham Pump Co
Carver Pump Co
Chain Belt Co
Chempump Corp
Clayton Mark & Co
Copper Alloy Corp
Dean Bros Pumps
Deming Co
Denver Equipment Co
Dorr-Oliver, Inc
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Flood City Brass & Elec Co
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(Continued)

THE PULVA-SIZER®

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DISPERSING
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CLOSE PARTICLE CONTROL



The PULVA-SIZER is the ultimate in high-speed hammer mill design. It is a complete grinding unit for dustless, trouble-free, continuous, controlled grinding. Available in five sizes.

WRITE FOR DESCRIPTIVE CATALOG No. 5510

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Nagle Pumps Inc
Neptune Pump Mfg Co
Peerless Pump Div
Pennsylvania Pump & Compressor Co
Pfaudler Co Div
Ruthman Machy Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons Inc
Worthington Corp
Yeomans Bros Co

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►Eastern Industries

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Aurora Pump Div
Bingham Pump Co
Carver Pump Co
Chempump Corp
Denver Equipment Co
Falls Industries
Foster-la Pressed Steel Corp
Galigher Co
Goulds Pumps
Heatron, Inc
Industrial Filter & Pump Mfg Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lecourtenay Co
Nagel Pumps Inc
Ruthman Machy Co
C H Wheeler Mfg Co
A R Wilfley & Sons Inc

PUMPS, CENTRIFUGAL STOCK

►Eastern Industries

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Ampco Metal
Bell & Gossett Co
Denver Equipment Co
Dorr-Oliver, Inc
Easy Industries
Ertel Engrg Corp
Fairbanks, Morse & Co
Girdler Process Equipment Div
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Mission Mfg Co
Nagle Pumps Inc
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, CONDENSATION

►Eastern Industries

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American-Marsh Pumps
Aurora Pump Div
Lawrence Pump & Engine Co
Nash Engrg Co
Cochrane Corp
Dean Bros Pumps
Deming Co
Easy Industries
Fairbanks, Morse & Co
Girdler Process Equipment Div
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Johnson Corp
Pennsylvania Pump & Compressor Co
Sarco Co
Fred H Schaub Engrg Co
Trane Co
Warren Pumps
C H Wheeler Mfg Co
Whittington Pump & Engrg Corp
Worthington Corp
Yeomans Bros Co

PUMPS, CONTROLLED VOLUME

Aldrich Pump Co
Allis-Chalmers Mfg Co
American Instrument Co
Ampco Metal
BIF Industries
John Bean Div
Clark-Cooper Co
Copper Alloy Corp
Denver Equipment Co
Fairbanks, Morse & Co
Granberg Corp
Hills-McCanna Co
Harold Kruger Instruments
Lapp Insulator Co
Manton-Gaulin Mfg Co
Milton Roy Co
Neptune Pump Mfg Co
Robbins & Myers
T Shriver & Co
Sigmamotor, Inc
Wallace & Tiernan Inc
Warren Pumps

PUMPS, DEWATERING

Allis-Chalmers Mfg Co
American-Marsh Pumps
American Well Works
Aurora Pump Div
Carver Pump Co
Deming Co
Fairbanks, Morse & Co
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Kenco Pump Div
Lecourtenay Co
Mission Mfg Co
Nagle Pumps Inc
Nash Engrg Co
Peerless Pump Div
Pennsylvania Pump & Compressor Co
Claude B Schneible Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, DIAPHRAGM

American Instrument Co
John Bean Div
Carver Pump Co
Chain Belt Co
Clark-Cooper Co
Copper Alloy Corp
Denver Equipment Co
Dorr-Oliver, Inc
Fairbanks, Morse & Co
Gorman-Rupp Co
Hills-McCanna Co
Lapp Insulator Co
Manton-Gaulin Mfg Co
Morrell Unit
Milton Roy Co
W S Rockwell Co
T Shriver & Co
Wallace & Tiernan Inc

PUMPS, DIFFUSION

Ingersoll-Rand Co
N R C Equipment Corp
Arthur F Smith Co

PUMPS, DIRECT FLOW

Aldrich Pump Co
American Instrument Co
Carver Pump Co
Dean Bros Pumps
Ingersoll-Rand Co
Byron Jackson Pumps,
Manton-Gaulin Mfg Co
Robbins & Myers
Warren Pumps
Worthington Corp

PUMPS, DOUBLE SUCTION

Allis-Chalmers Mfg Co
American Instrument Co
American-Marsh Pumps
American Well Works
Aurora Pump Div
Bingham Pump Co
Carver Pump Co
Chempump Corp
Dean Bros Pumps
Deming Co
Gorman-Rupp Co
Goulds Pumps
Gray Co
Bryon Jackson Pumps
Ingersoll-Rand Co
Lawrence Pump & Engine Co
Lecourtenay Co
Nash Engrg Co
Peerless Pump Div
Pennsylvania Pump & Compressor Co
Ruthman Machy Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, DRUM

Alemite Div
Blackmer Pump Co
Copper Alloy Corp
Goulds Pumps
Gray Co
Lincoln Engrg Co Div
Protecteseal Co

PUMPS, ELECTROMAGNETIC

Allis-Chalmers Mfg Co
Goulds Pumps
General Elec Co, Apparatus Sales Div

PUMPS, ELECTRONIC

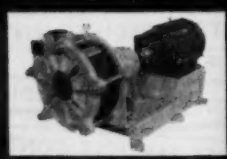
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PUMPS, FILTER

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Alsop Engrg Corp
Aurora Pump Div
Lawrence Pump & Engine Co

Best bet for all corrosive pumping services!



KARBATE
BRAND
Impervious Graphite
Centrifugal Pumps

- Resist practically all corrosives
- Eliminate metallic contamination
- Immune to thermal shock
- Durable, rugged construction

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Ingersoll-Rand Co
Lawrence Pumps
Manzell Unit
Mission Mfg Co
Nash Engrg Co
Roper Hydraulics
T Shriver & Co
Terriss Div
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, FIRE

American LaFrance Corp
John Bean Div
Fairbanks, Morse & Co
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Kenco Pump Div
Lecourtenay Co
Viking Pump Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp

PUMPS, GAS

►Fuller Co

American Instrument Co
Chempump Corp
Copper Alloy Corp
Ingersoll-Rand Co
Lapp Insulator Co
Nash Engrg Co
Viking Pump Co
Worthington Corp

PUMPS, GEAR

►Eastern Industries

Alsop Engrg Corp
Deming Co
Ertel Engrg Corp
Eco Engrg Co
Fairbanks, Morse & Co
Goulds Pumps
Heatron, Inc
Lincoln Engrg Co Div
Mechanical Products Corp
Roper Hydraulics
Schutte & Koerting Co
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, HAND

►Eastern Industries
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American Instrument Co
Blackmer Pump Co
Easy Industries
Gray Co
Lincoln Engrg Co Div
Protecteseal Co
Republic Mfg Co

PUMPS, HEAVY VISCOUS MATERIAL

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American Instrument Co
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Blackmer Pump Co
Copper Alloy Corp
Dean Bros Pumps
Dorr-Oliver, Inc
Eco Engrg Co
Fairbanks, Morse & Co
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lincoln Engrg Co Div
Manton-Gaulin Mfg Co
Nagle Pumps, Inc
Pacific Pumps, Inc
Robbins & Myers
Roper Hydraulics
T Shriver & Co
Stewart-Warner Corp
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, HIGH PRESSURE

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►Fuller Co

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American Instrument Co
American-Marsh Pumps
Aurora Pump Div
John Bean Div
Bingham Pump Co
Chempump Corp
Dean Bros Pumps
Elmes Engrg Div
Ertel Engrg Corp
Flood City Brass & Electric Co
Gardner-Denver Co
Gorman-Rupp Co
Goulds Pumps
Gray Co
Heatron, Inc
Hills-McCanna Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lapp Insulator Co
Lawrence Pumps
Lecourtenay Co
Lincoln Engrg Co Div
C W Logeman Co
Manton-Gaulin Mfg Co
Milton Roy Co
Neptune Pump Mfg Co
Robbins & Myers
Roper Hydraulics
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, HIGH VACUUM

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Fisher Scientific
►Fuller Co

Applied Research Corp
Beach-Russ Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
Dean Bros Pumps
General Ceramics Corp
Graham Mfg Co
Ingersoll-Rand Co
Leiman Bros
N R C Equipment Corp
Pennsylvania Pump & Compressor Co
Schutte & Koerting Co
Scientific Glass Apparatus Co
Arthur F Smith Co
Stewart-Warner Corp
F J Stokes Corp
Yeomans Bros Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

PUMPS, HYDRAULIC

►Eastern Industries

Alten Foundry & Mach Works
American Instrument Co
American-Marsh Pumps
John Bean Div
Dean Bros Pumps
Electric Auto-Lite Co
Elmes Engrg Div
Fairbanks, Morse & Co
Granberg Corp
Gray Co
Byron Jackson Pumps, Inc
Lecourtenay Co
Lawrence Pump & Engine Co
Manton-Gaulin Mfg Co
Milton Roy Co
Neptune Pump Mfg Co
Oilgear Co
H K Porter Co, Forge & Fittings Div
Republic Mfg Co
Roper Hydraulics
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, JACKETED

Allis-Chalmers Mfg Co
American Instrument Co
Aurora Pump Div
Blackmer Pump Co
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Goulds Pumps
Granberg Corp
Byron Jackson Pumps, Inc
Lapp Insulator Co
Lawrence Pump & Engine Co
Manton-Gaulin Mfg Co
Nagle Pumps Inc
Roper Hydraulics
Schutte & Koerting Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, JET, STEAM, AIR, WATER

►Fuller Co

American Instrument Co
Artisan Metal Products
Aurora Pump Div
Clayton Mark & Co
Croll-Reynolds Co
Dean Bros Pumps
Easy Industries
Elliott Co
Gardner-Denver Co
Granberg Corp
Graham Mfg Co
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Manton-Gaulin Mfg Co
Penberthy Mfg Co
Schutte & Koerting Co
Warren Pumps
C H Wheeler Mfg Co
Whittington Pump & Engrg Corp
Worthington Corp
Yeomans Bros Co

PUMPS, LIQUID

Brosites Mach Co

►Eastern Industries

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Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Instrument Co
American-Marsh Pumps
Aurora Pump Div
Beach-Russ Co
John Bean Div
Blackmer Pump Co
Carver Pump Co
Copper Alloy Corp
Dean Bros Pumps
Dorr-Oliver, Inc
Easy Industries
Eberbach Corp
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Heatron, Inc
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Harold Kruger Instruments
Lapp Insulator Co
Ladish Co, Tri-Clover Div
Lawrence Pump & Engine Co
Lecourtenay Co
Lincoln Engrg Co Div
Manton-Gaulin Mfg Co
Manzel Unit
Milton Roy Co
Mission Mfg Co
Neptune Pump Mfg Co
Peerless Pump Div
Pennsylvania Pump & Compressor Co
Republic Mfg Co
Robbins & Myers
Ruthman Machy Co
Schutte & Koerting Co
T Shriver & Co
Sigmamotor, Inc
Stewart-Warner Corp
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, LUBRICANT

►Eastern Industries

►Kennedy Van Saun Mfg & Engrg Corp

Alemite Div
Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Instrument Co
American-Marsh Pumps
Aurora Pump Div
Blackmer Pump Co
Copper Alloy Corp
Dean Bros Pumps
Easy Industries
Eco Engrg Co
Farval Corp
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Lincoln Engrg Co Div
Robbins & Myers
Roper Hydraulics
Ruthman Machy Co
Schutte & Koerting Co
Stewart-Warner Corp
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, OIL

►Eastern Industries

Alemite Div
Allis-Chalmers Mfg Co
Alsop Engrg Corp
American Instrument Co
American-Marsh Pumps
Aurora Pump Div
John Bean Div
Bingham Pump Co
Blackmer Pump Co
Carver Pump Co
Consolidated Electrodynamics Corp, Rochester Div
Copper Alloy Corp
Dean Bros Pumps
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lecourtenay Co
Lincoln Engrg Co Div
Lunkenheimer Co
National Airoil Burner Co
Ray Oil Burner Co
Republic Mfg Co
Robbins & Myers
Roper Hydraulics
Schutte & Koerting Co
Stewart-Warner Corp
Viking Pump Co
Warren Pumps
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, OPEN IMPELLER

►Eastern Industries

National Carbon Co Div

Allis-Chalmers Mfg Co
Alsop Engrg Corp
American-Marsh Pumps
American Well Works
Aurora Pump Div
Carver Pump Co
Dean Bros Pumps
Denver Equipment Co
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Galigher Co
General Ceramics Corp
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Mission Mfg Co
Nagle Pumps, Inc
Neptune Pump Mfg Co
Peerless Pump Div
Ruthman Machy Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons, Inc
Worthington Corp
Yeomans Bros Co

PUMPS, PAINT

►Eastern Industries

Alemite Div
Allis-Chalmers Mfg Co
American-Marsh Pumps
John Bean Div
Blackmer Pump Co
Copper Alloy Corp
Dean Bros Pumps
Dorr-Oliver, Inc
Goulds Pumps
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lincoln Engrg Co Div
Mission Mfg Co
Nagle Pumps Inc
Robbins & Myers
Roper Hydraulics
Stewart-Warner Corp
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, PAPER STOCK

►Fuller Co

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Fairbanks, Morse & Co
Galigher Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Mission Mfg Co
Nagle Pumps Inc
Robbins & Myers
Warren Pumps
Worthington Corp

PUMPS, PISTON

American-Marsh Pumps
John Bean Div
Dean Bros Pumps
Deming Co
Easy Industries
Fairbanks, Morse & Co
Flood City Brass & Elec Co
Granberg Corp
Gray Co
Hills-McCanna Co
Harold Kruger Instruments
Manton-Gaulin Mfg Co
Manzel Unit
Neptune Pump Mfg Co
Oilgear Co
Ernest Scott & Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, PLASTIC

Brosites Mach Co

►Fuller Co

Copper Alloy Corp
Lapp Insulator Co
Komline-Sanderson Engrg Corp
Mission Mfg Co
Viking Pump Co
Wallace & Tiernan Inc
A R Wilfley & Sons Inc

PUMPS, PORTABLE

►Eastern Industries

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Alemite Div
Alsop Engrg Corp
Aurora Pump Div
John Bean Div
Blackmer Pump Co
Carver Pump Co
Chain Belt Co
Chicago Pneumatic Tool Co
Copper Alloy Corp
Crowell Designs
Deming Co
Denver Equipment Co
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Gorman-Rupp Co
Goulds Pumps
Gray Co
Byron Jackson Pumps, Inc
Kenco Pump Div
Lawrence Pumps
Lincoln Engrg Co Div
Manton-Gaulin Mfg Co
Peerless Pump Div
Robbins & Meyers
Roper Hydraulics
Ruthman Machy Co
Sigmamotor, Inc
Viking Pump Co
Worthington Corp

PUMPS, POSITIVE DISPLACEMENT

Brosites Mach Co

Brosites Products Corp

►Eastern Industries

Aldrich Pump Co
Alsop Engrg Corp
American Instrument Co
American-Marsh Pumps
BIF Industries
John Bean Div
Blackmer Pump Co
Clark-Cooper Co
Copper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Girdler Process Equipment Div
Granberg Corp
Gray Co
Heatron, Inc
Hills-McCanna Co
Harold Kruger Instruments
Lapp Insulator Co
Manton-Gaulin Mfg Co
Manzel Unit
Mechanical Products Corp
Milton Roy Co
Neptune Pump Mfg Co
Oilgear Co
Republic Mfg Co
Robbins & Myers
Roper Hydraulics
Schutte & Koerting Co
Ernest Scott & Co
T Shriver & Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

PUMPS, POWER ROTARY

►Eastern Industries

American Instrument Co
Blackmer Pump Co
Chicago Pneumatic Tool Co
Copper Alloy Corp
Deming Co
Eco Engrg Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Girdler Process Equipment Div
Goulds Pumps
Granberg Corp
Byron Jackson Pumps, Inc
Leiman Bros
Manton-Gaulin Mfg Co
Nash Engrg Co
Robbins & Myers
Roper Hydraulics
Viking Pump Co
Warren Pumps
Worthington Corp

PUMPS, PRESSURE EXCHANGE

American Instruments Co
Manton-Gaulin Mfg Co
Yeomans Bros Co

PUMPS, PROCESS

Dow Chem Co

►Eastern Industries

National Carbon Co Div

Allis-Chalmers Mfg Co
American Instrument Co
American-Marsh Pumps
Ampco Metal
BIF Industries
Bell & Gossett Co
Bingham Pump Co
Blackmer Pump Co
Carver Pump Co
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Eco Engrg Co
Ertel Engrg Corp
Galigher Co
General Ceramics Corp
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
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Ladish Co, Tri-Clover Div
Lawrence Pump & Engine Co
Lawrence Pumps
Lecourtenay Co
Mission Mfg Co
Nagle Pumps Inc
Peerless Pump Div
Robbins & Myers
Roper Hydraulics
T Shriver & Co
Sigmamotor, Inc
Viking Pump Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons Inc
Worthington Corp

PUMPS, PROPELLER

►Eastern Industries

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Dean Bros Pumps
Ertel Engrg Corp
Fairbanks, Morse & Co
Ingersoll-Rand Co
Byron Jackson Pumps Inc
Johnston Pump Co
Neptune Pump Mfg Co
Pacific Pumps, Inc
Peerless Pump Div
Warren Pumps
Worthington Corp

PUMPS, PROPORTIONING

Brosites Mach Co
Brosites Products Corp

American Instrument Co
BIF Industries
John Bean Div
Blackmer Pump Co
Clark-Cooper Co
Copper Alloy Corp
Dorr-Oliver, Inc
Granberg Corp
Hills-McCanna Co
Lapp Insulator Co
Manzel Unit
G Diehl Mateer Co
Mechanical Products Corp
Milton Roy Co
Neptune Pump Mfg Co
Robbins & Myers
T Shriver & Co
Sigmamotor, Inc
Wallace & Tiernan Inc
Warren Pumps

PUMPS, PUTTY

Gray Co
Lincoln Engrg Co Div
Nagle Pumps Inc
Robbins & Myers
Roper Hydraulics

PUMPS, REAGENT

Allis-Chalmers Mfg Co
American Instruments Co
BIF Industries
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Eco Engrg Co
Harold Kruger Instruments
Lapp Insulator Co
Lincoln Engrg Co Div
Manzel Unit
Milton Roy Co
Wallace & Tiernan Inc

PUMPS, RECIPROCATING

Aldrich Pump Co
American Instrument Co
American-Marsh Pumps
John Bean Div
Carver Pumps
Dean Bros Pumps
Deming Co
Easy Industries
Elmes Engrg Div
Gardner-Denver Co
Gray Co
Hills-McCanna Co
Lapp Insulator Co
Manton-Gaulin Mfg Co
Manzel Unit
Milton Roy Co
Neptune Pump Mfg Co
Ernest Scott & Co
Wallace & Tiernan Inc
Warren Pumps
Worthington Corp

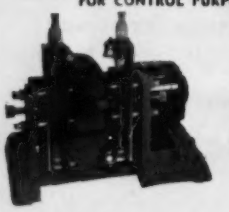
PUMPS, ROTARY VACUUM

►**Fuller Co**

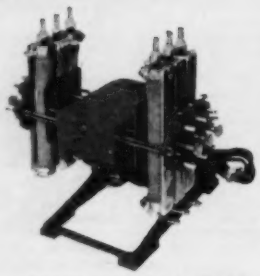
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Central Scientific Co
Consolidated Electrodynamics Corp
Eberbach Corp
General Ceramics Corp
Leiman Bros
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Arthur F Smith Co
F J Stokes Corp
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BROSITES PROPORTIONING PUMPS

IDEAL FOR FEEDING: FLOCCULATING, DEFOAMING, DEODORIZING, FLOTATION, PURIFYING, AND SETTLING AGENTS ALSO FOR THE SAMPLING OF EFFLUENTS FOR CONTROL PURPOSES



MODEL "R" 2 IN 1 PUMP
Capacity: 1 to 150 cc/min. per tube. Total Capacity of Unit: 300 cc/min.



MODEL "O" 6 IN 1 PUMP
Capacity: 1 to 500 cc/min. per tube. Total Capacity of Unit: 3000 cc/min.

WRITE FOR DETAILED INFORMATION

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(Cable Address—BROMACH)
Telephone—Digby 9-3600

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Mission Mfg Co
Nagle Pumps Inc
Pettibone Mulliken Corp
A R Wilfley & Sons Inc

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Copper Alloy Corp
Dorr-Oliver, Inc
Byron Jackson Pumps, Inc
Ladish Co, Tri-Clover Div
Manton-Gaulin Mfg Co
Nagle Pumps, Inc
Robbins & Myers
Terriss Div
Viking Pump Co

PUMPS, SCREW

Allis-Chalmers Mfg Co
Alsop Engrg Corp
Goulds Pumps Inc
Lawrence Pumps
Robbins & Myers
Warren Pumps

PUMPS, SEALING COMPOUNDS

Alemite Div
American Instruments Co
Dean Bros Pumps
Eco Engrg Co
Goulds Pumps
Gray Co
Byron Jackson Pumps, Inc
Nagle Pumps Inc
Robbins & Myers
Viking Pump Co
Warren Pumps

PUMPS, SELF-PRIMING

►**Eastern Industries**

Aurora Pump Div
John Bean Div
Bell & Gossett Co
Blackmer Pump Co
Carver Pump Co
Chain Belt Co
Chicago Pneumatic Tool Co
Copper Alloy Corp
Cr well Designs
Deming Co
Eco Engrg Co
Ertel Engrg Corp
General Ceramics Corp
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Heatron, Inc
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Kenco Pump Div
Manton-Gaulin Mfg Co
Nagle Pumps Inc
Peerless Pump Div
Robbins & Myers
Viking Pump Co
Worthington Corp

PUMPS, SEWAGE

►**Fuller Co**

Allis-Chalmers Mfg Co
American-Marsh Pumps
American Well Works
Aurora Pump Div
Deming Co
Dorr-Oliver, Inc
Fairbanks, Morse & Co
Gorman-Rupp Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Kenco Pump Div
Manton-Gaulin Mfg Co
Nagle Pumps Inc
Peerless Pump Div
Robbins & Myers
T Shriver & Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, SLURRY

Aldrich Pump Co
Allis-Chalmers Mfg Co
American Instrument Co
American Marsh Pumps
American Well Works
BIF Industries
Beach-Russ Co
Blackmer Pump Co
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Dorr-Oliver, Inc
Galigher Co
Girdler Process Equipment Div
Gorman-Rupp Co
Goulds Pumps
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lapp Instrument Co
Lawrence Pump & Engine Co
Manton-Gaulin Mfg Co
Manzel Unit
Milton Roy Co
Mission Mfg Co
Nagle Pumps, Inc
Pettibone Mulliken Corp
Robbins & Myers
Schutte & Koerting Co
T Shriver & Co
Sigmamotor, Inc
Warren Pumps
A R Wilfley & Sons Inc
Worthington Corp
Yeomans Bros Co

PUMPS, STEAM

American-Marsh Pumps
Dean Bros Pumps
Schutte & Koerting Co
Warren Pumps
Worthington Corp

PUMPS, STEAM JACKETED

American Instrument Co
American-Marsh Pumps
Blackmer Pump Co
Chempump Corp
Dean Bros Pumps
Goulds Pumps
Granberg Corp
Lawrence Pump & Engine Co
Manton-Gaulin Mfg Co
Nagle Pumps Inc
Roper Hydraulics
Schutte & Koerting Co
Viking Pump Co
Wallace & Tiernan Inc
Warren Pumps
A R Wilfley & Sons, Inc
Worthington Corp

PUMPS, SUBMERSIBLE

►**Eastern Industries**

American Instrument Co
Aurora Pump Div
Carver Pump Co
Chempump Corp
Chicago Pneumatic Tool Co
Clark-Cooper Co
Clayton Mark & Co
Eco Engrg Co
Fairbanks, Morse & Co
Goulds Pumps
Granberg Corp
Byron Jackson Pumps, Inc
Kenco Pump Div
Milton Roy Co
Neptune Pump Mfg Co
Peerless Pump Div
Penberthy Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, SUCTION

Allis-Chalmers Mfg Co
American Instrument Co
Aurora Pump Div
Blackmer Pump Co
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Denver Equipment Co
Gorman-Rupp Co
Gray Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Nash Engrg Co
Peerless Pump Div
Viking Pump Co
Worthington Corp

PUMPS, SUMP

►**Eastern Industries**

American-Marsh Pumps
Aurora Pump Div
Carver Pump Co
Chicago Pneumatic Tool Co
Clayton Mark & Co
Copper Alloy Corp
Dean Bros Pumps
Deming Co
Denver Equipment Co
Easy Industries
Fairbanks, Morse & Co
Fostoria Pressed Steel Corp
Galigher Co
Gardner-Denver Co
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Kenco Pump Div
Engine Co
Le Roi Div
Nagle Pumps Inc
Neptune Pump Mfg Co
Peerless Pump Div
Penberthy Mfg Co
Reed Roller Bit Co
Schutte & Koerting Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, TRANSFER

►**Eastern Industries**
National Carbon Co Div

Alemite Div
American Instrument Co
American-Marsh Pumps
Aurora Pump Div
John Bean Div
Bell & Gossett Co
Bingham Pump Co
Blackmer Pump Co
Chempump Corp
Copper Alloy Corp
Dean Bros Pumps
Easy Industries
Eco Engrg Co
Ertel Engrg Corp
Galigher Co
General Ceramics Corp
Gorman-Rupp Co
Goulds Pumps
Granberg Corp
Gray Co
Ingersoll-Rand Co
Industrial Filter & Pump Mfg Co
Byron Jackson Pumps, Ladish Co, Tri-Clover Div
Lawrence Pump & Engine Co
Lecourtenay Co
Lincoln Engrg Co Div
Manton-Gaulin Mfg Co
Mission Mfg Co
Nagle Pumps Inc
Peerless Pump Div
Robbins & Myers
Ruthman Machy Co
Viking Pump Co
Warren Pumps
C H Wheeler Mfg Co
A R Wilfley & Sons Inc
Worthington Corp
Yeomans Bros Co

PUMPS, TURBINE

►**Eastern Industries**

American-Marsh Pumps
American Well Works
Aurora Pump Div
Deming Co
Ertel Engrg Corp
Fairbanks, Morse & Co
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Peerless Pump Div
Fred H Shaub Engrg Co
Worthington Corp
Yeomans Bros Co

PUMPS, VACUUM

Abbe Engrg Co
Croll-Reynolds Co
Fisher Scientific
►**Fuller Co**
Standard Scientific Supply Corp

Allis-Chalmers Mfg Co
American-Marsh Pumps
Beach-Russ Co
Central Scientific Co
Chicago Pneumatic Tool Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp. Rochester Div
Copper Alloy Corp
Dean Bros Pumps
J P Devine Mfg Co
Eberbach Corp
Gardner-Denver Co
General Ceramics Corp
Graham Mfg Co
Ingersoll-Rand Co
Joy Mfg Co
Leiman Bros
N R C Equipment Corp
Nash Engrg Co
Penberthy Mfg Co
Pennsylvania Pump & Compressor Co
Quincy Compressor Co
Sarco Co
Schutte & Koerting Co
Ernest Scott & Co
Arthur F Smith Co
F J Stokes Corp
Warren Pumps
C H Wheeler Mfg Co
Whittington Pump & Engrg Corp
Worthington Corp
Yeomans Bros Co

PUMPS, VACUUM, MERCURY VAPOR

►**Fuller Co**

Central Scientific Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp Rochester Div
Dean Bros Pumps
N R C Equipment Corp
Scientific Glass Apparatus Co
F J Stokes Corp

►See catalog advertisement (Advertisers Index See company directory for addresses

PUMPS, VACUUM, OIL VAPOR

►Fuller Co
Standard Scientific Supply Corp

Beach-Russ Co
Central Scientific Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
Dean Bros Pumps
Litton Engrg Labs
N R C Equipment Corp
Scientific Glass Apparatus Co
Arthur F Smith Co
F J Stokes Corp

PUMPS, VERTICAL CENTRIFUGAL

►Eastern Industries

Allis-Chalmers Mfg Co
Alsop Engrg Corp
American-Marsh Pumps
American Well Works
Aurora Pump Div
Bingham Pump Co
Carver Pump Co
Dean Bros Pumps
Deming Co
Denver Equipment Co
Easy Industries
Fairbanks, Morse & Co
Galigher Co
Goulds Pumps
Granberg Corp
Ingersoll-Rand Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Lecourtenay Co
Nagle Pumps Inc
Neptune Pump Mfg Co
Peerless Pump Div
Ruthman Machy Co
Warren Pumps
C H Wheeler Mfg Co
Worthington Corp
Yeomans Bros Co

PUMPS, VOLUME

►Eastern Industries

Alemite Div
Allis-Chalmers Mfg Co
American-Marsh Pumps
John Bean Div
Carver Pump Co
Dean Bros Pumps
General Ceramics Corp
Gorman-Rupp Co
Gray Co
Byron Jackson Pumps, Inc
Lawrence Pump & Engine Co
Peerless Pump Div
Warren Pumps
Ruthman Machy Co
Wallace & Tiernan Inc
C H Wheeler Mfg Co
Yeomans Bros Co

PURIFIERS

►Allied Chem Corp, Semet-Solvay Engrg Div
Barneby-Cheney Co

Allis-Chalmers Mfg Co
V D Anderson Co
Chem-Pure Service Co
Cochrane Corp
Englehard Industries
Graver Water Conditioning
Hilliard Corp
Permutit Co
Pfaudler Co Div
Southwest Industries
Thermco Instrument Corp

PYROMETERS

Fisher Scientific

American Instrument Co
Bailey Meter Co
Bristol Co
Electric Hotpack Co
Engelhard Industries
General Elec Co, Apparatus Sales Div
Illinois Testing Labs
Leeds & Northrup Co
Pacific Transducer Corp
Pyrometer Instrument Co
Arthur F Smith Co
Thwing-Albert Instrument Co
West Instrument Corp
Williamson Development Co

Q-R

QUARTZ APPARATUS & EQUIPMENT

Corning Glass Works
Engelhard Industries
Laboratory Equipment Corp
Arthur F Smith Co
Thermal American Fused Quartz

RACKS, PLATING

American Smelting & Refining Co
Automotive Rubber Co
Kirk & Blum Mfg Co

RACKS, STORAGE

General Metals Inc
Hodgson Equipment Co
Kirk & Blum Mfg Co
Lewis-Shepard Products
Rapids-Standard Co
West Bend Equipment Corp

RADIOACTIVE HANDLING EQUIPMENT

O G Kelley & Co
Knapp Mills
Whiting Corp

REACTORS, CONTINUOUS

Allied Steel Products Corp
Bethlehem Foundry & Mach Co
Boardman Co
Buflovak Equipment Div
Cochrane Corp
Girdler Process Equipment Div
Graver Tank & Mfg Co
O G Kelley & Co
Knapp Mills
Konto Co
Manning & Lewis Engrg Co
Patterson Foundry & Mach Co
Pfaudler Co Div
A O Smith Corp
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Vulcan Mfg
Wyssmont Co

REACTORS, LABORATORY

Cochrane Corp
Dean Products Inc
First Machy Corp
General Elec Co, Apparatus Sales Div
Konto Co
Pfaudler Co Div
A O Smith Corp
Stainless & Steel Products Co
Star Tank & Filter Corp
Union Process Co

RECEIVERS, AIR

►Graver Tank & Mfg Co

Alco Products
American Car & Foundry Div
Boardman Co
Brown Instruments Div
Camden Copper Works
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Graver Tank & Mfg Co
International Boiler Works Co
Kahn & Co
Leader Iron Works
Le Roi Div
Manning & Lewis Engrg Co
Nooter Corp
McGregor-Michigan Corp
Mohawk Mfg Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Tube Manifold Corp
Wyatt Metal & Boiler Works, Inc

RECEIVERS, METAGRAPHIC

Bristol Co
Brown Instruments Div

RECLAMATION SYSTEMS, WASTE

Standard Steel Corp

Artisan Metal Products
Barber-Colman Co
Buflovak Equipment Div
Chem-Pure Service Co
De Laval Separator Co
Denver Equipment Co
Dorr-Oliver, Inc
Graver Water Conditioning Co
Henszey Co
Hilliard Corp
Kirk & Blum Mfg Co
Link-Belt Co
Knapp Mills
Permutit Co
Pfaudler Co Div
Oxy-Catalyst, Inc
Ernest Scott & Co

RECORDERS, AIR POLLUTION

Barber-Colman Co
Bristol Co
Brown Instruments Div
Leeds & Northrup Co
Harold Kruger Instruments
Mine Safety Appliances
Thermco Instrument Corp

RECORDERS, CARBON DIOXIDE

Barber Colman Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Hays Corp
Leeds & Northrup Co
Mine Safety Appliances
Republic Flow Meters Co
Permutit Co
Thermco Instrument Corp

RECORDERS, COMPOUND

Bristol Co
Fischer & Porter Co
Leeds & Northrup Co
Republic Flow Meters Co

RECORDERS, CONDUCTIVITY

Bailey Meter Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Industrial Instruments
Leeds & Northrup Co
Mine Safety Appliances
Permutit Co
Thermo Elec Co

RECORDERS, DIELECTRIC CONSTANT

Foxboro Co
Hallikainen Instruments

RECORDERS, DUST

Bristol Co

RECORDERS, ELECTRONIC

Applied Research Labs
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp
Fischer & Porter Co
Foxboro Co
Hays Corp
General Elec Co, Apparatus Sales Div
Houston Instrument Corp
Manning, Maxwell & Moore, Inc
Swartwout Co
Thermo Elec Co
Thwing-Albert Instrument Co
West Instrument Corp

RECORDERS, GAS ANALYSIS

Fisher Scientific

Bailey Meter Co
Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp
Fischer & Porter Co
Foxboro Co
Hays Corp
Industrial Instruments, Inc
Harold Kruger Instruments
Leeds & Northrup Co
Mine Safety Appliances
Republic Flow Meters Co
Permutit Co
Thermco Instrument Corp

RECORDERS, HUMIDITY, WET & DRY BULB

Barber-Colman Co
Bristol Co
Brown Instruments Div
Foxboro Co
Johnson Service Co
Leeds & Northrup Co
Mason-Neilan Div
Mine Safety Appliances
Powers Regulator Co
Thermo Elec Co
United States Gauge Div
Weighing & Control Components
Wheelco Instruments Corp

RECORDERS, LIQUID LEVEL

BIF Industries
Bailey Meter Co
Barber-Colman
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Hays Corp
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Ohmart Corp
Republic Flow Meters Co
Shand & Jurs Co
Swartwout Co
Thermo Elec Co
Yarnall-Waring Co

RECORDERS, MINIATURE

BIF Industries
Bristol Co
Brown Instruments Div
Consolidated Electrodynamics
Fischer & Porter Co
Foxboro Co
Johnson Service Co
Manning, Maxwell & Moore, Inc
Swartwout Co

RECORDERS, MOISTURE

Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp
Foxboro Co
Mine Safety Appliances
Thermo Elec Co

RECORDERS, MULTI-POINT

Barber-Colman Co
Brown Instruments Div
Bristol Co
Consolidated Electrodynamics
Foxboro Co
Hays Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mast Development Co
Mine Safety Appliances
Republic Flow Meters Co
Thermo Elec Co
West Instrument Corp

RECORDERS, POWER FACTOR

Bristol Co
Esterline-Angus Co
General Elec Co, Apparatus Sales Div

RECORDERS, PRESSURE

Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp
Esterline-Angus Co
Fischer & Porter Co
Foxboro Co
General Controls Co
Jordan Service Co
Leeds & Northrup Co
Hays Corp
Manning, Maxwell & Moore, Inc
Manton-Gaulin Mfg Co
Mason-Neilan Div
Moore Products Co
Powers Regulator Co
Republic Flow Meters Co
Swartwout Co
Thermo Elec Co
United States Gauge Div
Weksler Instruments

RECORDERS, RESISTANCE

C W Brabender Instruments
Bristol Co
Brown Instruments Div
Foxboro Co
General Elec Co, Apparatus Sales Div
Hays Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Thermo Elec Co
Thwing-Albert Instrument Co

RECORDERS, SPECIFIC GRAVITY

Bailey Meter Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Moore Products Co
Ohmart Corp
Permutit Co
Precision Thermometer & Instrument Co
Thermo Elec Co

RECORDERS, STRIP CHART

Fisher Scientific

Applied Research Labs
Barber-Colman Co
Bristol Co
Brown Instruments Div
Esterline-Angus Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
General Controls Co
Houston Instrument Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co
Swartwout Co
Thwing-Albert Instrument Co
West Instrument Corp

RECORDERS, SULFUR

Bristol Co
Consolidated Electrodynamics Corp

RECORDERS, TEMPERATURE

Fisher Scientific

BIF Industries
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instrument Div
Fischer & Porter Co
Foxboro Co
General Controls Co
Hays Corp
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Powers Regulator Co
Pyrometer Instrument Co
Republic Flow Meters Co
Swartwout Co
Thermo Elec Co
Thwing-Albert Instrument Co
United States Gauge Div
Weksler Instruments Corp
West Instrument Corp

RECORDERS, TURBIDITY INDICATORS

Bailey Meter Co
Bristol Co
Brown Instruments Div
Foxboro Co
Hallikainen Instruments

RECORDERS, VACUUM

Bailey Meter Co
Bristol Co
Consolidated Electrodynamics Corp
Esterline-Angus Co
Foxboro Co
General Controls Co
Hastings-Raydist
Hays Corp
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
N R C Equipment Corp
Republic Flow Meters Co
Arthur F Smith Co
Weksler Instruments Corp

RECORDERS, VISCOSITY

Bristol Co
Brown Instruments Div
Foxboro Co
Hallikainen Instruments
Norcross Corp
Therme Elec Co

RECORDING SYSTEMS, OSCILLOGRAPHIC

Consolidated Electrodynamics Corp
General Radio Co
Plas-Tech Equipment Corp

RECOVERY UNITS

Allied Steel Products Corp
Artisan Metal Products
Babcock & Wilcox Co, Boiler Div
Buflovak Equipment Div
Colonial Iron Works Co
Delta Tank Mfg Co
Ernest Scott & Co
Pfaudler Co Div
Vulcan Mfg
Wurster & Sanger

RECTIFIERS

►Metal & Thermit Corp

Allis-Chalmers Mfg Co
Brown Boveri Corp
Camden Copper Works
I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div
Perkin Engrg Corp
Vulcan Mfg

REFRACTOMETERS

Fisher Scientific

Consolidated Electrodynamics Corp
American Instrument Co

REFRACTORIES

Johns-Manville
National Carbon Co Div

Babcock & Wilcox Co, Refractories Div
Corning Glass Works
Engelhard Industries
General Ceramics Corp
A P Green Fire Brick Co
Laboratory Equipment Corp
Kaiser Chems Div
Mexico Refractories Co
Pittsburgh Corning Corp
Plibrico Co
Robinson Clay Product Co
Star Porcelain Co

REFRIGERATING EQUIPMENT

Croll-Reynolds Co
Niagara Blower Co
►Henry Vogt Mach Co

Acme Industries
American Sterilizer Co
Dean Products, Inc
Frick Co
General Motors Corp, Frigidaire Div
Graham Mfg Co
Jas P Marsh Corp
Patterson-Kelley Co
Trane Co
Vilter Mfg Co
Wurster & Sanger
York Corp

REGENERATORS

Alco Products, Inc
Delta Tank Mfg Co
Nooter Corp

REGULATORS, AIR

Alemite Div
Barber-Colman Co
Bristol Co
Brown Instruments Div
Bryant Industrial Products
A W Cash Co
Clark Mfg Co
Conoflow Corp
Foster Wheeler Corp
Foster Engrg Div
Fulton Sylphon Div
General Controls Co
Gray Co
Hoke, Inc
Kaye & MacDonald
Klipfel Valves Inc
Leslie Co
Mason-Neilan Div
Moore Products Co
OPW-Jordan
Republic Flow Meters Co
Spence Engrg Co
C E Squires Co
Stewart-Warner Corp
Trane Co

REGULATORS, DRAFT

Atlas Valve Co
Bailey Meter Co
Bristol Co
A W Cash Co
General Controls Co
J hnson Service Co
North American Mfg Co
Republic Flow Meters Co

REGULATORS, FEED WATER

Atlas Valve Co
Bailey Meter Co
Copes-Vulcan Div
Fischer & Porter Co
General Controls Co
Klipfel Valves Inc
Leslie Co
Magnetrol, Inc
McDonnell & Miller
Moore Products Co
C E Squires Co
Republic Flow Meters Co

REGULATORS, GAS

Fisher Scientific

Bristol Co
Bryant Industrial Products
Clark Mfg Co
A W Cash Co
Conoflow Corp
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Foster Engrg Div
General Controls Co
Hoke, Inc
Kaye & MacDonald
Klipfel Valves Inc
Leslie Co
Linde Co
Moore Products Co
National Cylinder Gas Div
North American Mfg Co
OPW-Jordan
Rockwell Mfg Co
C E Squires Co
Terriss Co

REGULATORS, JET PIPE

North American Mfg Co

REGULATORS, PRESSURE

Atlas Valve Co
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Bryant Industrial Products
A W Cash Co
Clark Mfg Co
Conoflow Corp
Copes-Vulcan Div
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Fischer & Porter Co
Foster Engrg Div
Foster Wheeler Corp
Foxboro Co
Fulton Sylphon Div
General Controls Co
Hays Corp
Hoke, Inc
Johnson Service Co
Kaye & MacDonald
Klipfel Valves
Leslie Co
Manning, Maxwell, & Moore, Inc
Mason-Neilan Div
Moore Products Co
National Cylinder Gas Div
North American Mfg Co
OPW-Jordan
Penn Controls
Powers Regulator Co
Republic Flow Meters Co
Sarco Co
Spence Engrg Co
C E Squires Co
Strong, Carlisle & Hammond, Steam Specialty Div
Terriss Div
United Elec Controls Co
Watts Regulator Co

REGULATORS, TEMPERATURE

American Instrument Co
Atlas Valve Co
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
A W Cash Co
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Fischer & Porter Co
Foster Engrg Div
Foster Wheeler Corp
Foxboro Co
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Johnson Service Co
Kaye & MacDonald
Klipfel Valves
Leslie Co
Manning, Maxwell & Moore Inc
Moore Products Co
OPW-Jordan
Penn Controls
Pyrometer Instrument Co
Republic Flow Meters Co
Sarco Co
Spence Engrg Co
C E Squires Co
Thermo Elec Mfg Co
United Elec Controls Co
Watts Regulator Co
West Instrument Corp

REGULATORS, UNIT

W A Kates Co
C E Squires Co

REGULATORS, VALVE

Barber-Colman Co
Bristol Co
Brown Instrument Div
A W Cash Co
Chase Brass & Copper Co
Clayton Mark & Co
Foster Engrg Div
Fulton Sylphon Div
Jordan Co
Klipfel Valves Inc
Leslie Co
National Cylinder Gas Div
Powers Regulator Co
Republic Flow Meters Co
Rockwell Mfg Co
C E Squires Co
Strong, Carlisle & Hammond Steam Specialty Div

REGULATORS, VOLTAGE

Allis-Chalmers Mfg Co
American Instruments Co
Beckman Instruments, Helipot Div
Electric Auto-Lite Co
General Radio Co
General Elec Co, Apparatus Sales Div
Perkin Engrg Corp
Stackpole Carbon Co
Superior Elec Co

RELAYS, ELECTRIC

Fisher Scientific
Charles F Warrick Co

American Instrument Co
Automatic Switch Co
Bristol Co
Brown Instruments Div
Cutler-Hammer, Inc
Electric Auto-Lite Co
General Controls Co
General Elec Co, Apparatus Sales Div
Palo Lab Supplies
Simpson Electric Co

RELAYS, TEMPERATURE CONTROL

Barber-Colman Co
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
General Elec Co, Apparatus Sales Div
General Controls Co
Powers Regulator Co
Precision Thermometer & Instrument Co
Republic Flow Meters Co
Simpson Electric Co
West Instrument Corp

RELAYS, TIME DELAY

American Instrument Co
Automatic Switch Co
Bristol Co
Thomas A Edison Industries
General Elec Co, Apparatus Sales Div
C W Logeman Co
Simpson Electric Co

RESPIRATORS

American Optical Co
Mine Safety Appliances
Ray-O-Vac Co
Scott Aviation Corp

RETORTS, PROCESSING

Allied Steel Products Corp
Buflovak Equipment Div
Denver Equipment Co
Engelhard Industries
Mohawk Mfg Corp
Nooter Corp

RHEOSTATS

Central Scientific Co
Cutler-Hammer, Inc
General Radio Co
General Elec Co, Apparatus Sales Div
Superior Elec Co

RIMS, SPROCKET

Chain Belt Co
Maurice A Knight Co
Jeffrey Mfg Co

RINGS, LESSING

General Ceramics Corp
Knox Porcelain Corp
Metallo Gasket Co

RINGS, PISTON

Garlock Packing Co

RINGS, RASCHIG

Johns-Manville
National Carbon Co Div

Corning Glass Works
General Ceramics Corp
Kelley Mfg Co
Kimble Glass Co
Maurice A Knight Co
Knox Porcelain Corp
Lapp Insulator Co
Metallo Gasket Co
Scientific Glass Apparatus Co
United States Stoneware Co

RINSERS, BOTTLE

Island Equipment Corp
Popper & Sons
Republic Flow Meters Co
Terriss Div

RINSERS, CAN

Terriss Div

ROLLS, CRUSHING

Abbe Engrg Co
►Kennedy Van Saun Mfg & Engrg Corp

Allis-Chalmers Mfg Co
Denver Equipment Co
Electric Steel Foundry Co
Exolon Co
Gruendler Crusher & Pulverizer Co
International Engrg Inc
Jeffrey Mfg Co
Franklin P Miller & Son
Pettibone Mulliken Corp
Posey Iron Works
Edw Renneburg & Sons Co
Charles Ross & Son Co
Sorout, Waldron & Co
Sturtevant Mill Co

ROOFING

Johns-Manville

American Brass Co
Philip Carey Mfg Co
Chase Brass & Copper Co
Stonhard Co

ROTAMETERS

Brooks Rotameter Co
Fischer & Porter Co
Granberg Corp
Schutte & Koerting Co
Laboratory Equipment Corp
Simpson Electric Co
Wallace & Tiernan Inc

RUBBER EQUIPMENT

American Hard Rubber Co Div
Automotive Rubber Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Great Western Mfg Co
Luzerne Rubber Co
Raybestos-Manhattan
Charles Ross & Son Co
M L Snyder & Son

RUBBER LINED EQUIPMENT

►Goodall Rubber Co

American Hard Rubber Co Div
Automotive Rubber Co
Buflovak Equipment Div
Chase Chem Corp
Delta Tank Mfg Co
Denver Equipment Co
Electro Chem Engrg & Mfg Co
Galigher Co
Gates Engrg Co
B F Goodrich Industrial Prod Co
Goslin Birmingham Mfg Co
Heil Process Equipment Corp
Jerguson Gage & Valve Co
Knapp Mills Inc
LaFavorite Rubber Mfg Co
Luzerne Rubber Co
Maurice A Knight Co
Nukem Products Corp
Plastic Applicators
Charles Ross & Son Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
United States Stoneware
Wyatt's Plastics Inc

►See catalog advertisement (Advertisers Index) See company directory for addresses

S

SACKS, SHIPPING, MULTIWALL, PAPER
►Kraft Bag Corp

Continental Can Co, Containerboard & Kraft Paper Div
Cromwell Paper Co
International Paper Co
St Regis Paper Co
Par-pak Co
West Virginia Pulp & Paper Co

SADDLES, BERL
Fisher Scientific

General Ceramics Corp
Maurice A Knight Co
Knox Porcelain Corp

SADDLES, INTALOX
National Carbon Co Div

French Oil Mill Machy Co
United States Stoneware Co

SAFETY EQUIPMENT
Fisher Scientific

American Optical Co
Falcon Alarm Co
A E Halperin Co
Industrial Products Co
Mine Safety Appliances
Protectoseal Co
Ray-O-Vac Co
Scott Aviation Corp
M L Snyder & Son
United States Safety Service Co

SALT SPLITTERS

Chem-Pure Service Co
Cochrane Corp
Elgin Softener Corp

SAMPLERS, AUTOMATIC
Heyl & Patterson

BIF Industries
Denver Equipment Co
Fischer & Porter Co
Galigher Co
Granberg Corp
Hardinge Co
Lapp Insulator Co
Mine Safety Appliance
Sturtevant Mill Co

SAMPLERS, CONTINUOUS
Heyl & Patterson

BIF Industries
Denver Equipment Co
Fischer & Porter Co
Galigher Co
Hardinge Co
Lapp Insulator Co
Materials Handling Equipment Co
Mine Safety Appliances
Sturtevant Mill Co

SAMPLERS, DRY
Heyl & Patterson

Denver Equipment Co
Galigher Co
Hardinge Co
Sturtevant Mill Co

SAMPLERS, DUST TIGHT

Denver Equipment Co
Galigher Co

SAMPLERS, PILOT PLANT

Denver Equipment Co
Galigher Co
Lapp Insulator Co

SAMPLERS, WET

Denver Equipment Co
Galigher Co
Hardinge Co
Kaye & MacDonald
Lapp Insulator Co

SAND BLAST EQUIPMENT

Norton Co
Pangborn Corp
Wheelabrator Corp

SCALES, AUTOMATIC

Cardinal Scale Mfg Co
Consolidated Packaging Machy Corp
Cutler-Hammer, Inc
Exact Weight Scale Co
Fairbanks, Morse & Co
B F Gump Co
Richardson Scale Co
St Regis Paper Co
Thayer Scale Corp
Toledo Scale
Torsion Balance Co
Triangle Package Machy Co
Weighing & Control Components

SCALES, BAG FILLING
►Kraft Bag Corp
Union Bag-Camp Paper Corp

Bemis Bro Bag Co
Consolidated Packaging Machy Corp
Exact Weight Scale Co
Frazier & Son
B F Gump Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
St Regis Paper Co
Thayer Scale Corp
Toledo Scale
Triangle Package Machy Co
Weighing & Control Components

SCALES, BARREL FILLING
Union Bag-Camp Paper Corp

Exact Weight Scale Co
Howe Scale Co
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components

SCALES, BUILT-IN

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Frazier & Son
Howe Scale Co
Thayer Scale Corp
Toledo Scale
Winslow Scale Works

SCALES, BULK
Union Bag-Camp Paper Corp

Consolidated Packaging Machy Corp
Exact Weight Scale Co
Fairbanks, Morse & Co
Howe Scale Co
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, CHECKWEIGHT

Exact Weight Scale Co
Fairbanks, Morse & Co
FMC Packaging Machy Div
St Regis Paper Co
Toledo Scale
Torsion Balance Co
Weighing & Control Components

SCALES, CONTINUOUS WEIGHING

BIF Industries
Exact Weight Scale Co
Fairbanks, Morse & Co
B F Gump Co
Howe Scale Co
Richardson Scale Co
St Regis Paper Co
Thayer Scale Corp
Toledo Scale
Wallace & Tiernan Inc
Weighing & Control Components

SCALES, CONVEYOR

Exact Weight Scale Co
Fairbanks, Morse & Co
Thayer Scale Corp
Toledo Scale
Wallace & Tiernan Inc
Weighing & Control Components

SCALES, COUNTING

Fairbanks, Morse & Co
Toledo Scale
Torsion Balance Co

SCALES, ELECTRONIC LOAD CELL

Fairbanks, Morse & Co
Foxboro Co
Howe Scale Co
Toledo Scale
Weighing & Control Components

SCALES, FLOOR

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, HOPPER
►Kraft Bag Corp

Boardman Co
Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Stedman Foundry & Mach Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, LABORATORY
Fisher Scientific
Standard Scientific Supply Corp

Central Scientific Co
Eberbach Corp
Exact Weight Scale Co
Seederer-Kohlbusch
Thayer Scale Corp
Toledo Scale
Torsion Balance Co

SCALES, LIQUID WEIGHING

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, PACKING

Exact Weight Scale Co
Fairbanks, Morse & Co
Howe Scale Co
International Paper Co
Toledo Scale
Torsion Balance Co
Weighing & Contol Components

SCALES, PLATFORM
Standard Scientific Supply Corp

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, PORTABLE

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Howe Scale Co
Seederer-Kohlbusch
Toledo Scale
Winslow Scale Works

SCALES, PROPORTIONING
►Kennedy Van Saun Mfg & Engrg Corp

BIF Industries
Exact Weight Scale Co
B F Gump Co
Howe Scale Co
Richardson Scale Co
Toledo Scale
Wallace & Tiernan Inc
Weighing & Control Components
Winslow Scale Works

SCALES, PULP DENSITY

Denver Equipment Co
Exact Weight Scale Co
Seederer-Kohlbusch
Thayer Scale Corp
Toledo Scale
Torsion Balance Co
Weighing & Control Components

SCALES, RECORDING

Cardinal Scale Mfg Co
Exact Weight Scale Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, REMOTE INDICATING

Cardinal Scale Mfg Co
Exact Weight Scale Co
Fairbanks, Morse & Co
Howe Scale Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Torsion Balance Co
Weighing & Control Components

SCALES, TANK

Boardman Co
Cardinal Scale Mfg Co
Fairbanks, Morse & Co
Howe Scale Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components
Winslow Scale Works

SCALES, TOTALIZING

Howe Scale Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Richardson Scale Co
Thayer Scale Corp
Toledo Scale
Weighing & Control Components

SCALES, TRACK

Cardinal Scale Mfg Co
Fairbanks, Morse & Co
Toledo Scale
Winslow Scale Works

SCALES, TRUCK

Cardinal Scale Mfg Co
Fairbanks, Morse & Co
Toledo Scale
Winslow Scale Works

SCANNING & LOGGING SYSTEMS

Consolidated Electro-Dynamics Corp
Fischer & Porter Co
Leeds & Northrup Co
Shand & Jurs Co
Toledo Scale

SCOOPS, POWER UNLOADING

Manitowoc Shipbuilding, Chem Engrg Service Div
Link-Belt Co

SCREENS, CONVEYOR

Carrier Conveyor Corp
Gifford-Wood Co
Hendrick Mfg Co
Kalamazoo Yank & Silo Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
National Drying Machy Co
Productive Equipment Corp
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Sutton, Steele & Steele, Inc
Syntron Co
Wickwire Spencer Steel Div

SCREENS, CYLINDRICAL
►Kennedy Van Saun Mfg & Engrg Corp

Bodinson Mfg Co
Cambridge Wire Cloth
Hendrick Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Michigan Wire Cloth Co
Newark Wire Cloth Co
Southwestern Engrg Co
W S Tyler Co
Wickwire Spencer Steel Div

SCREENS, FILTER

Cambridge Wire Cloth
Colorado Fuel & Iron Corp
Hendrick Mfg Co
Ludlow-Saylor Wire Cloth Co
Michigan Wire Cloth Co
Newark Wire Cloth Co
Ronningen-Petter Co
Sutton, Steele & Steele, Inc
Terriss Div
Unique Wire Weaving Co
Wickwire Spencer Steel Div
W S Tyler Co

SCREENS, FLAT

J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp
D J Murray Mfg Co

Barber-Greene Co
Colorado Fuel & Iron Corp
Hendrick Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Michigan Wire Cloth Co
Newark Wire Cloth Co
Nordberg Mfg Co
Pettibone Mulliken Corp
Protective Equipment Corp
Simplicity Engrg Co
Orville Simpson Co
Sutton, Steele & Steele, Inc
W S Tyler Co
Wickwire Spencer Steel Div

SCREENS, GYRATORY

J H Day Co Div

Allis-Chalmers Mfg Co
DeLaval Separator Co
Denver Equipment Co
Derrick Mfg Co
Great Western Mfg Co
B F Gump Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Newark Wire Cloth Co
Nordberg Mfg Co
Patterson Foundry & Mach Co
Pettibone Mulliken Corp
Productive Equipment Corp
Orville Simpson Co
Southwestern Engrg Co
Sprout, Waldron & Co
W S Tyler Co

SCREENS. INTAKE WATER

Cambridge Wire Cloth
Chain Belt Co
Link-Belt Co
Newark Wire Cloth Co
W S Tyler Co

SCREENS, LABORATORY

Abbe Engrg Co
J H Day Co Div
Fisher Scientific

Denver Equipment Co
Derrick Mfg Co
Great Western Mfg Co
Hendrick Mfg Co
Link-Belt Co
Newark Wire Cloth Co
Productive Equipment
Orville Simpson Co
Sprout, Waldron & Co
Sutton, Steele & Steele, Inc
Southwestern Engrg Co
W S Tyler Co

SCREENS, LIQUID

J H Day Co Div

Derrick Mfg Co
Great Western Mfg Co
Link-Belt Co
Newark Wire Cloth Co
Productive Equipment Corp
Orville Simpson Co
Stephens-Adamson Mfg Co
Sutton, Steele & Steele, Inc
Unique Wire-Weaving Co
W S Tyler Co

SCREENS, PERFORATED METAL

►Kennedy Van Saun Mfg & Engrg Corp

Bedinson Mfg Co
Dorr-Oliver, Inc
Great Western Mfg Co
Hendrick Mfg Co
Link-Belt Co
Lippmann Engrg Works
National Drying Machy Co
Stephens-Adamson Mfg Co
Universal Road Machy Co

SCREENS, PILOT PLANT

J H Day Co Div

Allis-Chalmers Mfg Co
DeLaval Separator Co
Denver Equipment Co
Derrick Mfg Co
Multi-Metal Wire Cloth Co
Link-Belt Co
Newark Wire Cloth Co
Productive Equipment Corp
Orville Simpson Co
Southwestern Engrg Co
W S Tyler Co

SCREENS, REVOLVING

J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp

Allis-Chalmers Mfg Co
Boardman Co
Bedinson Mfg Co
Gruendler Crusher & Pulverizer Co
Hendrick Mfg Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
Newark Wire Cloth Co
Nordberg Mfg Co
Edw Renneburg & Sons Co
Stephens-Adamson Mfg Co
W S Tyler Co
Universal Road Machy Co

SCREENS, SEWAGE

American Well Works
DeLaval Separator Co
Dorr-Oliver, Inc
Hendrick Mfg Co
Infilco, Inc
Link-Belt Co
Newark Wire Cloth Co
Productive Equipment Corp
Edw Renneburg & Sons Co
Simplicity Engrg Co
Orville Simpson Co
Southwestern Engrg Co
W S Tyler Co
Yeomans Bros Co

SCREENS, TESTING

Denver Equipment Co
Great Western Mfg Co
Hendrick Mfg Co
Link-Belt Co
Newark Wire Cloth Co
Productive Equipment
Soiltest Inc
Southwestern Engrg Co
Syntron Co
W S Tyler Co

SCREENS, VIBRATING

J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp
D J Murray Mfg Co

Allis-Chalmers Mfg Co
Barber-Greene Co
Bodinson Mfg Co
Cambridge Wire Cloth
Carrier Conveyer Corp
De Laval Separator Co
Denver Equipment Co
Derrick Mfg Co
Dravo Corp
Exolon Co
Great Western Mfg Co
Gruendler Crusher & Pulverizer Co
Hendrick Mfg Co
Link-Belt Co
Lippmann Engrg Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Franklin P Miller & Son
Newark Wire Cloth Co
Nordberg Mfg Co
Pettibone Mulliken Corp
Productive Equipment Corp
Simplicity Engrg Co
Orville Simpson Co
Soiltest Inc
Southwestern Engrg Co
Stedman Foundry & Mach Co
Stephens-Adamson Mfg Co
Strong-Scott Mfg Co
Sturtevant Mill Co
Sutton, Steele & Steele, Inc
Syntron Co
W S Tyler Co
Vernon Tool Co
Wickwire Spencer Steel Div
Williams Patent Crusher & Pulverizer Co

SCREENS, WASHING

J H Day Co Div
►Kennedy Van Saun Mfg & Engrg Corp

Allis-Chalmers Mfg Co
Bodinson Mfg Co
Derrick Mfg Co
Hendrick Mfg Co
Link-Belt Co
Lippmann Engrg Works
Newark Wire Cloth Co
Nordberg Mfg Co
Productive Equipment Corp
Edw Renneburg & Sons Co
Orville Simpson Co
Stephens-Adamson Mfg Co
W S Tyler Co
Universal Road Machy Co
Wickwire Spencer Steel Div

SCREENS, WEDGE SLOT

Allis-Chalmers Mfg Co
DeLaval Separator Co
Dorr-Oliver, Inc
Hendrick Mfg Co

SCREENS, WIRE

►Kennedy Van Saun Mfg & Engrg Corp

Barber-Greene Co
Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Great Western Mfg Co
De Laval Separator Co
Ludlow-Saylor Wire Cloth Co
Newark Wire Cloth Co
Michigan Wire Cloth Co
Southwestern Engrg Co
Sutton, Steele & Steele, Inc
Unique Wire-Weaving Co
W S Tyler Co
Wickwire Spencer Steel Div

SCRUBBERS, AIR

D J Murray Mfg Co

Air-Maze Corp
Allied Steel Products Corp
Automotive Rubber Co
Barber-Greene Co
Ducon Co
General Ceramics Corp
S P Kinney Engrs Inc
Maurice A Knight Co
Leader Iron Works
R C Mahon Co
Manitowoc Shipbuilding, Chem Engrg Service Div
National Dust Collector Corp
Nooter Corp
Trane Co
United States Stoneware
Van Products Co
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

SCRUBBERS, CONICAL

Allied Steel Products Corp
Automotive Rubber Co
Leader Iron Works
Link-Belt Co
Nooter Corp

SCRUBBERS, FUME

Croll-Reynolds Co

Allied Steel Products Corp
Automotive Rubber Co
Boardman Co
Centrifix Corp
Ducon Co
General Ceramics Corp
Heil Process Equipment Corp
Johnson-March Corp
M W Kellogg Co
Knapp Mills
Maurice A Knight Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
National Dust Collector Corp
Nooter Corp
Edw Renneburg & Sons Co
Claude B Schneible Co
United States Stoneware Co
Vulcan Mfg
Western Precipitation Corp

SCRUBBERS, GAS

►Allied Chem Corp, Semet-Solvay Engrg Div
Du Verre, Inc
D J Murray Mfg Co
Standard Steel Corp

Allied Steel Products Corp
V D Anderson Co
Automotive Rubber Co
Buflovak Equipment Div
Centrifix Corp
Croll-Reynolds Co
Delta Tank Mfg Co
Dorr-Oliver, Inc
Ducon Co
General Ceramics Corp
Graver Tank & Mfg Co
Heil Process Equipment Corp
Johnson-March Corp
M W Kellogg Co
S P Kinney Engrgs Inc
Maurice A Knight Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
Pfaudler Co Div
National Dust Collector Corp
Nooter Corp
Edw Renneburg & Sons Co
Claude B Schneible Co
A O Smith Corp
Stearns-Roger Mfg Co
Trane Co
United States Stoneware Co
Vulcan Mfg
Western Precipitation Corp
Wyatt Metal & Boiler Works, Inc

SCRUBBERS, POLYETHYLENE

Air-Maze Corp
Croll-Reynolds Co
Heil Process Equipment
Nooter Corp

SEALS, BALANCED PRESSURE

Johns-Manville

Borg-Warner Mechanical Seals
Bristol Co
Chicago-Allis Mfg Corp

SEALS, BUNG

American Flange & Mfg Co

Greene, Tweed & Co

SEALS, FLANGE

American Flange & Mfg Co
Johns-Manville

American Felt Co
Chicago-Allis Mfg Corp
Garlock Packing Co
Greene, Tweed & Co
Sparta Mfg Co

SEALS, LUBRICATED

Johns-Manville

American Felt Co
Chicago-Allis Mfg Corp
Garlock Packing Co
Greene, Tweed & Co
Sealol Corp
Arthur F Smith Co

SEALS, MECHANICAL

Johns-Manville

American Felt Co
Borg-Warner Mechanical Seals
Chicago-Allis Mfg Corp
Durametallic Corp
Garlock Packing Co
Greene, Tweed & Co
Byron Jackson Pumps
Kinetic Dispersion Corp
Patterson-Kelley Co
Sealol Corp
A O Smith Corp
Sparta Mfg Co
Syntron Co

SEALS, PLUG

American Flange & Mfg Co

Greene, Tweed & Co

SEALS, SHAFT

Johns-Manville

American Felt Co
Chicago-Allis Mfg Corp
Borg-Warner Mechanical Seals
Durametallic Corp
Flexonics Corp
Fulton Syphon Div
Garlock Packing Co
Greene, Tweed & Co
Byron Jackson Pumps, Inc
Koppers Co, Metal Products Div
Sealol Corp
Arthur F Smith Co
Sparta Mfg Co
Syntron Co

SEALS, STEEL DRUM

American Flange & Mfg Co

American Felt Co
Greene, Tweed & Co

SEALS, VACUUM

Johns-Manville

Chicago-Allis Mfg Corp
Consolidated Electrodynamics Corp, Rochester Div
N R C Equipment Corp
Sealol Corp
Arthur F Smith Co

SEALS, VAPOR

Johns-Manville

Anchor Engrg Co
Philip Carey Mfg Co
Chicago-Allis Mfg Corp
Sealol Corp

SEPARATORS, AIR

Barnebey-Cheney Co
►Kennedy Van Saun Mfg & Engrg Corp
R P Adams Co
Air-Maze Corp
Allied Steel Products Corp
American Instrument Co
V D Anderson Co
Centrifix Corp
Clark Mfg Co
Cochrane Corp
Continental Boiler & Sheet Iron Works
Gruendler Crusher & Pulverizer Co
Hardinge Co
Johnson Corp
Leavitt Mach Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Nooter Corp
Pulverizing Machy Div
Selas Corp of America
Sprout, Waldron & Co
Strong, Carlisle & Hammond, Steam Specialty Div
Sturtevant Mill Co
Sutton, Steele & Steele
Williams Patent Crusher & Pulverizer Co

SEPARATORS, CENTRIFUGAL

Heyl & Patterson
R P Adams Co
Bird Mach Co
Boardman Co
Centrifix Corp
Combustion Engrg
DeLaval Separator Co
Dorr-Oliver, Inc
Ducon Co
Kirk & Blum Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div
National Conveyor Crop
Nooter Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Sturtevant Mill Co
Tolhurst Centrifugals Div
Torit Mfg Co
Universal Road Machy Co
Western Precipitation Corp
Western States Mach Co
Whiting Corp
Wurster & Sanger

SEPARATORS, DUST

R P Adams Co
Allied Steel Products Corp
American Felt Co
Boardman Co
Camden Copper Works
Centrifix Corp
Combustion Engrg
Continental Boiler & Sheet Iron Works
Ducon Co
Kirk & Blum Mfg Co
Majac, Inc
Manitowoc Shipbuilding, Chem Engrg Service Div
National Conveyor Corp
Nooter Corp
Pulverizing Machy Div
Claude E Schneible Co
Sprout, Waldron & Co
Torit Mfg Co
Western Precipitation Corp

SEPARATORS, ENTRAINMENT

National Carbon Co Div
R P Adams Co
Air-Maze Corp
Allied Steel Products Corp
V D Anderson Co
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Centrifix Corp
Cochrane Corp
Delta Tank Mfg Co
Ducon Co
Falls Industries
Graver Water Conditioning Co
Maurice A Knight Co
Metal Textile Corp
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Selas Corp of America
Stearns-Roger Mfg Co
Strong, Carlisle & Hammond
Warner Lewis Co
Wurster & Sanger

SEPARATORS, LABORATORY

Fisher Scientific
DeLaval Separator Co
Nooter Corp
Selas Corp of America
Southwestern Engrg Co
Sturtevant Mill Co

SEPARATORS, LIQUID

Heyl & Patterson
Air-Maze Corp
Allied Steel Products Corp
American Felt Co
Artisan Metal Products
Camden Copper Works
DeLaval Separator Co
Delta Tank Mfg Co
Hardinge Co
Infilco Inc
Nooter Corp
Pfaudler Co Div
Selas Corp of America
Southwestern Engrg Co
Strong, Carlisle & Hammond, Steam Specialty Div
Warner Lewis Co
Western Precipitation

SEPARATORS, LIQUID GAS

Air-Maze Corp
Allied Steel Products Corp
V D Anderson Co
Black, Sivalls & Bryson Corp
Centrifix Corp
Delta Tank Mfg Co
Graver Tank & Mfg Co
Nooter Corp
Selas Corp of America
Stearns-Roger Mfg Co
Warner Lewis Co
Western Precipitation Corp
Wurster & Sanger

SEPARATORS, MAGNETIC

Crucible Steel Co of America
Eriez Mfg Co
Exolon Co
Infilco Inc
Jeffrey Mfg Co
Franklin P Miller & Son
Sprout, Waldron & Co
Stearns Magnetic Products

SEPARATORS, OIL & GREASE

D J Murray Mfg Co
Acme Industries
Air-Maze Corp
V D Anderson Co
Chain Belt Co
Cochrane Corp
DeLaval Separator Co
Delta Tank Mfg Co
Graver Water Conditioning Co
Heatron Inc
Hilliard Corp
Infilco Inc
Nooter Corp
Pfaudler Co Div
Strong, Carlisle & Hammond, Steam Specialty Div

SEPARATORS, STEAM

R P Adams Co
Alco Products
V D Anderson Co
Babcock & Wilcox Co, Boiler Div
Black, Sivalls & Bryson
Centrifix Corp
Clark Mfg Co
Cochrane Corp
Foster Wheeler Corp
Graver Water Conditioning Co
Johnson Corp
Nooter Corp
Strong, Carlisle & Hammond

SEWAGE & WASTE TREATING EQUIPMENT

Automotive Rubber Co
Chain Belt Co
Combustion Engrg
DeLaval Separator Co
Denver Equipment Co
Dorr-Oliver, Inc
Evans Pipe Co
General American Transportation Corp
Graver Water Conditioning Co
Hardinge Co
Infilco Inc
Jeffrey Mfg Co
Link-Belt Co
Milton Roy Co
Permutit Co
Pfaudler Co Div
Robinson Clay Product Div
Southwestern Engrg Co
Wallace & Tiernan Inc
Yeomans Bros Co

SHAKERS, CAR

Heyl & Patterson
Allis-Chalmers Mfg Co
Link-Belt Co
Robbins & Myers
Simplicity Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

SHAKERS, LABORATORY

Fisher Scientific
American Instrument Co
Central Scientific Co
Eberbach Corp
Great Western Mfg Co
International Equipment Co
Palo Lab Supplies
Southwestern Engrg Co
Sprout, Waldron & Co
Syntron Co
W S Tyler Co

SHEAVES

Dodge Mfg Co
Electric Steel Foundry Co
Link-Belt Co
Nordberg Mfg Co

SHELVING, STEEL

Equipto

SHIELDS, FACE

American Optical Co
Ray-O-Vac Co
United States Safety Service Co

SHIELDS, FACE WELDING

American Optical Co
Ray-O-Vac Co

SHREDDERS

American Pulverizer Co
Baker Perkins
Buffalo Hammer Mill Corp
Gruendler Crusher & Pulverizer Co
Franklin P Miller & Son
Rietz Mfg Co
Charles Ross & Son Co
Sprout, Waldron & Co
Stedman Foundry & Mach Co

SIDING

Johns-Manville
Philip Carey Mfg Co

SIEVES, LABORATORY

Fisher Scientific
Great Western Mfg Co
Newark Wire Cloth Co
Soiltest Inc
W S Tyler Co

SIFTERS, GYRATORY

Abbe Engrg Co
J H Day Co Div
Allis-Chalmers Mfg Co
DeLaval Separator Co
Great Western Mfg Co
B F Gump Co
Franklin P Miller & Son
Patterson Foundry & Mach Co
Orville Simpson Co
Sprout, Waldron & Co
W S Tyler Co

SIFTERS, INDUSTRIAL

Abbe Engrg Co
J H Day Co Div
Allis-Chalmers Mfg Co
Arthur Colton Co
DeLaval Separator Co
Great Western Mfg Co
B F Gump Co
Franklin P Miller & Son
Rietz Mfg Co
Orville Simpson Co
Sprout, Waldron & Co
W S Tyler Co

SIFTERS, LABORATORY

Abbe Engrg Co
J H Day Co Div
Central Scientific Co
DeLaval Separator Co
Great Western Mfg Co
B F Gump Co
Orville Simpson Co
Sprout, Waldron & Co
W S Tyler Co

SIGNS, DANGER AND WARNING

Industrial Products Co
Ready Made Sign Co

SILENCERS, EXHAUST & INTAKE

Air-Maze Corp
Allied Witan Co
Tube Manifold Corp
Wyatt Metal & Boiler

SILOS

Boardman Co
General American Transportation Corp
Graver Tank & Mfg Co
Neff & Fry Co
Kalamazoo Tank & Silo
Pittsburgh-Des Moines Steel Co
Union Carbide Plastics Co

SINKS, ACID-PROOF

National Carbon Co Div
Arrow Tank Co
Electro Chem Engrg & Mfg Co
General Ceramics Corp
Kewaunee Mfg Co
Knapp Mills
Maurice A Knight Co
Schori Process Div
Terriss Div
United States Stoneware Co
Wendnagel & Co
Wyatt's Plastics, Inc

SINKS, LABORATORY

Fisher Scientific
National Carbon Co Div
Arrow Tank Co
Browne-Morse Co
General Ceramics Corp
Kewaunee Mfg Co
Knapp Mills
Maurice A Knight Co
Laboratory Furniture Co
Terriss Div
United States Stoneware Co
Wyatt's Plastics, Inc

SIPHONS, ACID

Fisher Scientific
General Scientific Equipment Co
Heil Process Equipment Corp
Knapp Mills
Schutte & Koerting Co

SIPHONS, GLASS

Schutte & Koerting Co

SKIDS

United Box & Lumber Co
Delta Tank Mfg Co
Fairbanks Co
Great Southern Wire Bound Box Co
Hodgson Equipment Co
Edw Renneburg & Sons Co
Revolvator Co
S I Handling Systems Co

SLEEVE GUARDS, VINYL PLASTIC

General Scientific Equipment Co
LaFavorite Rubber Mfg Co
Petra Mfg Co
Protective Lining Corp
Reliance Plastic & Chem Corp
M L Snyder & Son

SNUBBERS, PRESSURE

Allied Witan Co
Chemiquip Co
King Engrg Corp
Parker Fittings & Hose Div
Republic Mfg Co
United States Gauge Div
Wyatt Metal & Boiler Works, Inc

SOFTENERS, WATER

Allis-Chalmers Mfg Co
American Water Softener Co
Chem-Pure Service Co
Cochrane Corp
Elgin Softener Corp
Graver Water Conditioning Co
Los Angeles Water Softener Co
Permutit Co

SOLDERS

American Smelting & Refining Co
Chase Brass & Copper Co
Engelhard Industries
Handy & Harman

SOLENOIDS, A.C.

►Kraft Bag Corp
Automatic Switch Co
General Controls Co
General Elec Co, Apparatus Sales Div

SOLVENT RECOVERY APPARATUS

►Allied Chem Corp, Semet-Solvay Engrg Div
Barnebey-Cheney Co
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Artisan Metal Products
Buflovak Equip Div
Detrex Chem Industries
Leader Iron Works
Mario Coil Co
Packed Column Corp
Selas Corp of America
Ernest Scott & Co
Struthers Wells Corp
Trane Co
Vulcan-Cincinnati
Wurster & Sanger
Wyssmont Co

SPECTROGRAPHS

Fisher Scientific
Baird-Atomic, Inc
Bausch & Lomb Optical Co
Central Scientific Co
Consolidated Electrodynamics Corp
Gaertner Scientific Corp
Jarrell-Ash Co

SPECTROMETERS

Applied Research Labs
Baird-Atomic, Inc
Bausch & Lomb Optical Co
Beckman Instruments, Scientific & Process Instruments Divs
Bendix Aviation Corp
Consolidated Electrodynamics Corp
Gaertner Scientific Corp
General Elec Co, X-Ray Dept
Jarrell-Ash Co
Perkin-Elmer Corp

SPECTROPHOTOMETERS

Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Baird-Atomic, Inc
Beckman Instruments, Scientific & Process Instruments Divs
Bausch & Lomb Optical Co
Coleman Instruments
Perkin-Elmer Corp
Thermal American Fused Quartz

SPECTROPHOTOMETERS, PHOTOELECTRIC

Bausch & Lomb Optical Co
Beckman Instruments, Scientific & Process Instruments Divs
Coleman Instruments
Gardner Lab
General Elec Co, Apparatus Sales Div

SPECTROPHOTOMETERS, RECORDING

Fisher Scientific

Baird-Atomic, Inc
Bausch & Lomb Optical Co
Beckman Instruments, Scientific & Process Instruments Divs
Bristol Co
General Electric Co, Apparatus Sales Div
Harold Kruger Instruments
Perkin-Elmer Corp

SPEED CHANGERS

Cleveland Worm & Gear Co
Dodge Mfg Co
Falk Corp
Graham Tranmissions, Inc
Hart Reduction Pulley Co
Link-Belt Co
Reliance Elec & Engrg Co
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Tri-Sure S/A Indústria e Comércio, Sao Bernardo Do Campo, Estado de Sao Paulo, Brazil
American Flange & Manufacturing Co. Inc., Villawood, New South Wales, Australia
Compañia Mexicana Tri-Sure S/A, Naucalpan, Estado de Mexico, Mexico

*TRADE MARKS OF AMERICAN FLANGE & MANUFACTURING CO. INC.

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Allied Steel Products Corp
Bowen Engrg, Inc
Graver Tank & Mfg Co
Nichols Engrg & Research Corp
Leader Iron Works
Nooter Corp
Proctor & Schwartz
Whiting Corp
Wurster & Sanger

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Gray Co
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Louis Shepard Products
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Continental Boiler & Sheet Iron Works
B F Goodrich Industrial Prod Co, Plastics
Graver Tank & Mfg Co
Heil Process Equipment Corp
Kirk & Blum Mfg Co
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Wyatt Metal & Boiler Works, Inc
Wyatt's Plastics, Inc

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Geuder, Paeschke & Frey Co

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A M Byers Co
Carpenter Steel Co
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Crucible Steel Co of America
Electric Steel Foundry Co
Falk Corp
Republic Steel Corp
Timken Roller Bearing Co
Wickwire Spencer Steel Div

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American Cast Iron Pipe Co
Bethlehem Steel Co
A M Byers Co
Carpenter Steel Co
Crucible Steel Co of America
Delta Tank Mfg Co
Eastern Stainless Steel Corp
Electric Steel Foundry
Republic Steel Corp
Timken Roller Bearing Co
Wickwire Spencer Steel Div

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Bethlehem Steel Co
A M Byers Co
Carpenter Steel Co
Crucible Steel Co of America
Delta Tank Mfg Co
Eastern Stainless Steel Corp
Electric Steel Foundry
Jessop Steel Co
Republic Steel Corp
Techalloy Co
Timken Roller Bearing Co

STEELS, NICKEL PLATED

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Delta Tank Mfg Co
Wickwire Spencer Steel Div

STEELS, RUBBER LINED

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Automotive Rubber Co
Chase Chem Corp
Delta Tank Mfg Co
Galigher Co
Heil Process Equipment Corp
La Favorite Rubber Mfg Co

STEELS, STAINLESS

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Barnstead Still & Sterilizer Co
Bridgeport Brass Co
A M Byers Co
G O Carlson
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Delta Tank Mfg Co
Eastern Stainless Steel Corp
Electric Steel Foundry Co
Jessop Stocks
Republic Steel Corp
Techalloy Co
Timken Roller Bearing Co
Union Steel Corp

STEELS, STAINLESS CLAD

Allegheny Ludlum Steel Corp
Bridgeport Brass Co
Colorado Fuel & Iron Corp
Jessop Steel Co
Republic Steel Corp
Wickwire Spencer Steel Div

STERILIZERS

Fisher Scientific

American Sterilizer Co
Buflovak Equipment Div
Engelhard Industries
Graver Tank & Mfg Co

STILLS, ALCOHOL

Allied Steel Products Co
Artisan Metal Products
Camden Copper Works
Delta Tank Mfg Co
Falls Industries
Nooter Corp
Ernest Scott & Co
Star Tank & Filter Corp
Vulcan-Cincinnati
Vulcan Mfg
Whitlock Mfg Co

STILLS, AMMONIA

►Allied Chem Corp, Semet-Solvay Engrg Div

Allied Steel Products Corp
Camden Copper Works
Delta Tank Mfg Co
Downingtown Iron Works Div
Graver Tank & Mfg Co
Leader Iron Works
Majonnier Co
Nooter Corp
Vulcan Mfg
Whitlock Mfg Co

STILLS, FATTY ACID

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Rodney Hunt Mach Co
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Arthur F Smith Co
Star Tank & Filter Corp
Vulcan-Cincinnati
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger

STILLS, GLYCERIN

Allied Steel Products Corp
Artisan Metal Products
Camden Copper Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Rodney Hunt Mach Co
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Ernest Scott & Co
Arthur F Smith Co
Vulcan-Cincinnati
Vulcan Mfg
Whiting Corp
Whitlock Mfg Co
Wurster & Sanger

STILLS, HORIZONTAL

Allied Steel Products Corp
Artisan Metal Products
Barnstead Still & Sterilizer Co
Camden Copper Works
Delta Tank Mfg Co
Graver Tank & Mfg Co
Leader Iron Works
Manning & Lewis Engrg Co
Nooter Corp
Ernest Scott & Co
Vulcan-Cincinnati
Whitlock Mfg Co

STILLS, LABORATORY

Fisher Scientific
Standard Scientific Supply Corp

Allied Steel Products Corp
American Sterilizer Co
Artisan Metal Products
Consolidated Electrodynamics Corp, Rochester Div
Barnstead Still & Sterilizer Co
Rodney Hunt Mach Co
Nooter Corp
Patterson-Kelley Co
Star Tank & Filter Corp

STILLS, MERCURY

Artisan Metal Products
Eberbach Corp
Nooter Corp

STILLS, PIPE

Allied Steel Products Corp
Artisan Metal Products
Graver Tank & Mfg Co
Nooter Corp
Petro-Chem Development Co
Ernest Scott & Co
Selas Corp of America
Vulcan-Cincinnati
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

►See catalog advertisement (Advertisers Index) See company directory for addresses

STILLS, PRESSURE

►Henry Vogt Mach Co

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Graver Tank & Mfg Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Pfaudler Co Div
Star Tank & Filter Corp
Vulcan-Cincinnati
Vulcan Mfg
Whitlock Mfg Co

STILLS, SOLVENT RECOVERY

►Allied Chem Corp, Semet-Solvay Engrg Div
Barnebey-Cheney Co

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Graver Tank & Mfg Co
Rodney Hunt Mach Co
Leader Iron Works
Manning & Lewis Engrg Co
Nooter Corp
Pfaudler Co Div
Ernest Scott & Co
Star Tank & Filter Corp
Struthers Wells Corp
Vulcan-Cincinnati
Vulcan Mfg
Whiting Corp
Whitlock Mfg Co
Wurster & Sanger

STILLS, VACUUM

Allied Steel Products Corp
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Colonial Iron Works Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Graver Tank & Mfg Co
Henszey Co
Rodney Hunt Mach Co
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Patterson-Kelley Co
Petro-Chem Development Co
Pfaudler Co Div
Ernest Scott & Co
Star Tank & Filter Corp
F J Stokes Corp
Struthers Wells Corp
Vulcan-Cincinnati
Vulcan Mfg
Whiting Corp
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

STILLS, WATER

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Barnstead Still & Sterilizer Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Engineering Controls
Henszey Co
Leader Iron Works
Nooter Corp
Star Tank & Filter Corp
F J Stokes Corp
Vulcan-Cincinnati
Vulcan Mfg
Whitlock Mfg Co

STIRRERS

►Eastern Industries
Eastman Kodak Co
Fisher Scientific
Mixing Equipment Co
Standard Scientific Supply Corp

Central Scientific Co
Eberbach Corp
Gifford-Wood Co
Palo Lab Supplies
New England Tank & Tower Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Terriss Div
Thermo Elec Mfg Co

STIRRERS, GLASS

Fisher Scientific
Mixing Equipment Co

Corning Glass Works
Eberbach Corp
Scientific Glass Apparatus Co

STOKERS

Bros, Inc
Combustion Engrg
Erie City Iron Works
Riley Stoker Corp

STONEWARE EQUIPMENT

General Ceramics Corp
Maurice A Knight Co
Robinson Clay Co
United States Stoneware Co

STOPCOCKS, HOLLOW PLUG TYPE

Corning Glass Works
Kimble Glass Co
Thermal American Fused Quartz

STOPPERS

Fisher Scientific
Standard Scientific Supply Corp

STORAGE SYSTEMS, COAL

Gifford-Wood Co
Link-Belt Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Materials Handling Equipment Co
Neff & Fry Co

STRAINERS, CHEMICAL

National Carbon Co Div

Buffalo Hammer Mill Corp
Cuno Engrg Corp
S P Kinney Engrs Inc
Lapp Insulator Co
Leslie Co
Mack Iron Works Co
Newark Wire Cloth Co
Ronningen-Petter Co
Schutte & Koerting Co
Strong, Carlisle & Hammond
Terriss Div

STRAINERS, CONTINUOUS, ROTARY

Blackmer Pump Co
Cuno Engrg Corp
Dorr-Oliver, Inc
S P Kinney Engrs Inc
Komline-Sanderson Engrg Corp
Ronningen-Petter Co
Sarco Co
Tri-Homo Corp

STRAINERS, INDUSTRIAL

Allied Steel Products Corp
Blackmer Pump Co
Buffalo Hammer Mill Corp
A W Cash Co
Clark Mfg Co
Condenser Service & Engrg Co
Crowell Designs
Cuno Engrg Corp
Dorr-Oliver, Inc
Elliott Co
Granberg Corp
S P Kinney Engrs Inc
Leslie Co
Mack Iron Works Co
Monarch Mfg Works
Newark Wire Cloth Co
OPW-Jordan
Parks-Cramer Co
Ronningen-Petter Co
Sarco Co
Schutte & Koerting Co
Spence Engrg Co
Standard Wiping Materials
Strong, Carlisle & Hammond

STRAINERS, OIL

Air-Maze Corp
Alemite Div
Blackmer Pump Co
Buffalo Hammer Mill Corp
Cuno Engrg Corp
A W Cash Co
DeLaval Separator Co
Elliott Co
Granberg Corp
S P Kinney Engrs Inc
Leslie Co
Mack Iron Works Co
Monarch Mfg Works
National Airoil Burner Co
Newark Wire Cloth Co
OPW-Jordan
Ronningen-Petter Co
Sarco Co
Spence Engrg Co
Strong, Carlisle & Hammond

STRAINERS, PIPE LINE

National Carbon Co Div
Spraying Systems Co

Air-Maze Corp
V D Anderson Co
Armstrong Mach Works
Blackmer Pump Co
Buffalo Hammer Mill Corp
Clark Mfg Co
Cuno Engrg Corp
Dorr-Oliver, Inc
Elliott Co
General Ceramics Corp
General Controls Co
B F Goodrich Industrial Prod Co, Plastics
Kaye & MacDonald
S P Kinney Engrs Inc
Klipfel Valves Inc
Ladish Co
Ladish Co, Tri-Clover Div
Leslie Co
Mack Iron Works Co
Mason-Neilan Div
Monarch Mfg Works
Newark Wire Cloth Co
OPW-Jordan
H A Phillips & Co
Republic Mfg Co
W S Rockwell Co
Ronningen-Petter Co
Sarco Co
Schutte & Koerting Co
Spence Engrg Co
Strong, Carlisle & Hammond, Steam Specialty Div
Terriss Div
Velan Steam Specialties
Watts Regulator Co
Yarnall-Waring Co

STRAINERS, SUCTION

►Henry Vogt Mach Co

Blackmer Pump Co
Buffalo Hammer Mill Corp
Clayton Mark & Co
Crowell Designs
Cuno Engrg Corp
Elliott Co
Granberg Corp
S P Kinney Engrs Inc
Lapp Insulator Co
Mack Iron Works Co
Monarch Mfg Works
National Airoil Burner Co
Newark Wire Cloth Co
Ronningen-Petter Co
Schutte & Koerting Co
Strong, Carlisle & Hammond

SUBLIMERS

NRC Equipment Corp
Arthur F Smith Co
Wyssmont Co

SULFONATING EQUIPMENT

Buflovak Equipment Div
Downingtown Iron Works
Girdler Process Equipment Div
Rodney Hunt Mach Co
Kinetic Dispersion Corp
Wallace & Tiernan Inc

SUMPS, STONEWARE

General Ceramics Corp
Maurice A Knight Co
United States Stoneware Co

SUPERHEATERS

Fisher Scientific

Alco Products
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
Nooter Corp
Patterson-Kelley Co
Petro-Chem Development Co

SUPERHEATERS, STEAM

Fisher Scientific
►Petro-Chem Development Co

Babcock & Wilcox Co, Boiler Div
Bros, Inc
Combustion Engrg
Erie City Iron Works
Foster Wheeler Corp
Patterson-Kelley Co
Petro-Chem Development Co
Riley Stoker Corp
Selas Corp of America
Thermal Research & Engrg Corp

SWITCHBOARDS

Allis-Chalmers Mfg Co
General Elec Co, Apparatus Sales Div
Cutler-Hammer, Inc
Hodgson Equipment Co
I-T-E Circuit Breaker Co

SWITCHES

Automatic Switch Co
Barksdale Valves
General Controls Co
General Elec Co, Apparatus Sales Div
I-T-E Circuit Breaker Co
Jo-Bell Products
Kahn & Co
Micro Switch Div
Rochester Mfg Co
Stackpole Carbon Co
Torsion Balance Co
United Elec Controls Co

SWITCHES, MERCURY

General Controls Co
Micro Switch Div

SWITCHES, THERMAL

Bristol Co
Fenwal, Inc
General Elec Co, Apparatus Sales Div
General Controls Co
Micro Switch Div
Penn Controls
United Elec Controls Co

SWITCHES, THERMOCOUPLE

Bristol Co
Brown Instruments Div
General Elec Co, Apparatus Sales Div
Illinois Testing Labs
Leeds & Northrup Co
Pyrometer Instrument Co
Thermo Elec Co
West Instrument Corp

SWITCHES, TIME

Bristol Co
General Elec Co, Apparatus Sales Div
General Controls Co
C W Logeman Co

SWITCHGEAR

Allis-Chalmers Mfg Co
Brown Boveri Corp
I-T-E Circuit Breaker Co
General Elec Co, Apparatus Sales Div

T

TABLE TOPS, LABORATORY

Fisher Scientific
Johns-Manville
National Carbon Co Div

Browne-Morse Co
Kewaunee Mfg Co
Knapp Mills
Laboratory Furniture Co
Terriss Div

TABLES, CONCENTRATING

Sutton, Steele & Steele, Inc

TABLES, CONVEYOR

Island Equipment Corp
Link-Belt Co
W S Rockwell Co

TABLES, ROTARY

Island Equipment Corp
Revolvator Co

TACHOMETERS

Alemite Div
Bailey Meter Co
Beckman Instruments, Berkeley Div
James G Biddle Co
Bristol Co
Electric Auto-Lite Co
Foxboro Co
General Elec Co, Apparatus Sales Div
General Radio Co
Martin Engrg Co
Norwood Controls
Simpson Electric Co

TANK CARS

American Car & Foundry Div
General American Transportation Corp
Delta Tank Mfg Co
Knapp Mills
Wendnagel & Co

TANKS, ACID

Allied Steel Products Corp
Alloy Products Corp
American Car & Foundry Div
Ampco Metal
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Bishopric Products Co
Boardman Co
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Downingtown Iron Works
Electro Chem Engrg & Mfg Co
Flexi-Liner Co
Galigher Co
General American Transportation Corp
General Ceramics Corp
General Metals Inc
B F Goodrich Industrial Prod Co, Plastics, Rubber
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Haynes Stellite Co
Heil Process Equipment Corp
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
La Favorite Rubber Mfg Co
Leader Iron Works
Luzerne Rubber Co
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Nukem Products Corp
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Plastic Applicators
Claude B Schneible Co
Schori Process Div
A O Smith Corp
Stainless & Steel Products Co
Stanwood Corp
Star Tank & Filter Corp
A T Stearns Lumber Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Thermal American Fused Quartz
United States Stoneware Co
Vulcan Mfg
Wendnagel & Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, AIR

Pressed Steel Tank Co

Allied Steel Products Corp
Bishopric Products Co
Boardman Co
Bros, Inc
Cameron Iron Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Manitowac Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Mohawk Mfg Corp
Nooter Corp
Pittsburgh-Des Moines Steel Co
Claude B Schneible Co
Stover Steel Tank & Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, FERMENTING

Allied Steel Products Corp
Arrow Tank Co
Bishopric Products Co
Boardman Co
Camden Copper Works
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
General American Transportation Corp
Graver Tank & Mfg Co
Hauser-Stander Tank Co
O G Kelly & Co
Leader Iron Works
Manitowac Shipbuilding, Fabricating Div
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Pittsburgh-Des Moines Steel Co
Plastic Applicators
Edw Renneburg & Sons Co
Claude B Schneible Co
A O Smith Corp
Stainless & Steel Products Co
Star Tank & Filter Corp
Stover Steel Tank & Mfg Co
Terriss Div
Vulcan Mfg
Wendnagel & Co
Wyatt Metal & Boiler Works, Inc

TANKS, GALVANIZED

R E Moyer, Inc

Bishopric Products Co
Boardman Co
Butler Mfg Co
Cochrane Corp
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
Kirk & Blum Mfg Co
Modern Welding Co
Mohawk Mfg Corp
Edw Renneburg & Sons Co
Claude B Schneible Co
A O Smith Corp
Stover Steel Tank & Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, HIGH PRESSURE

Pressed Steel Tank Co
►Henry Vogt Mach Co

Alco Products
Allied Steel Products Corp
American Car & Foundry Div
Automotive Rubber Co
Bishopric Products Co
Boardman Co
Bros, Inc
Buflovak Equipment Div
Camden Copper Works
Cameron Iron Works
Chicago Bridge & Iron Co
Clayton Mark & Co
Cochrane Corp
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
Flint Steel Mfg Co
General American Transportation Corp
Graver Tank & Mfg Co
International Boiler Works Co
O G Kelley & Co
M W Kellogg Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Patterson Foundry & Mach Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Claude B Schneible Corp
A O Smith Corp
Southwestern Engrg Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, METER CALIBRATING

Delta Tank Mfg Co
General Metals, Inc
Graver Tank & Mfg Co
Modern Welding Co
Nooter Corp
Warner Lewis Co
Wyatt Metal & Boiler Works, Inc

TANKS, MIXING

J H Day Co Div

Allied Steel Corp
Alsop Engrg Corp
Arrow Tank Co
Bishopric Products Co
G Blickman, Inc
Boardman Co
Buflovak Equipment Div
Camden Copper Works
Chemineer, Inc
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Dean Products Inc
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Downingtown Iron Works
First Machy Corp
Galigher Co
General American Transportation Corp
General Metals, Inc
Gifford-Wood Co
Graver Tank & Mfg Co
Hauser-Stander Tank Co
International Engrg Inc
O G Kelley & Co
Leader Iron Works
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Charles Ross & Son Co
Schori Process Div
Stainless Products, Inc
Star Tank & Filter Corp
A O Smith Corp
Stainless Steel Products Co
A T Stearns Lumber Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Terriss Div
Vulcan Mfg
Wendnagel & Co
Wyatt Metal & Boiler Works, Inc

TANKS, OIL STORAGE

Bethlehem Steel Co
Bishopric Products Co
Black, Sivalls & Bryson
Boardman Co
Butler Mfg Co
Chicago Bridge & Iron Co
R D Cole Mfg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
General American Transportation Corp
General Metals Inc
Graver Tank & Mfg Co
Manitowoc Shipbuilding, Fabricating Div
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Edw Renneburg & Sons Co
Claude B Schneible Co
Stover Steel Tank & Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, OIL WORKS

Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
General American Transportation Corp
General Metals, Inc
Graver Tank & Mfg Co
Leader Iron Works
Mohawk Mfg Corp
Nooter Corp
Pittsburgh-Des Moines Steel Co
Edw Renneburg & Sons Co
Stover Steel Tank & Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, PLATING

►Metal & Thermit Corp

Allied Steel Products Co
Alsop Engrg Corp
American Smelting & Refining Co
Arrow Tank Co
Automotive Rubber Co
Carl N Beetle Plastics Corp
Boardman Co
Dean Products Inc
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Electro Chem Engrg & Mfg Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Rubber
Graver Tank & Mfg Co
Hauser-Stander Tank Co
Heil Process Equipment Corp
Kalamazoo Tank & Silo Co
O G Kelly & Co
Kirk & Blum Mfg Co
Maurice A Knight Co
Manitowoc Shipbuilding, Fabricating Div
Mohawk Mfg Corp
Nooter Corp
Nukem Products Corp
Pittsburgh-Des Moines Steel Co
Plastic Applicators
Edw Renneburg & Sons Co
Claude B Schneible Co
Schori Process Div
Stover Steel Tank & Mfg Co
United States Stoneware Co
Wendnagel & Co
Whitlock Mfg Co
Wyatt's Plastics, Inc

TANKS, PRESSURE

Pressed Steel Tank Co
►Henry Vogt Mach Co

Alco Products, Inc
Allied Steel Products Corp
Alloy Products Corp
American Car & Foundry Div
Arrow Tank Co
Automotive Rubber Co
Babcock & Wilcox Co, Boiler Div
Bishopric Products Co
Boardman Co
Bros, Inc
Buflovak Equipment Div
Butler Mfg Co
Chicago Bridge & Iron Co
Cochrane Corp
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Downingtown Iron Works
First Machy Corp
Flint Steel Mfg Co
General American Transportation Corp
General Metals, Inc
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
International Engrg Inc
International Boiler Works Co
O G Kelley & Co
M W Kellogg Co
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
McGregor Michigan Corp
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Posey Iron Works
Claude B Schneible Co
A O Smith Corp
Southwestern Engrg Co
Stainless Products Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Terriss Div
Vulcan Mfg
C H Wheeler Mfg Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, STORAGE

►Tote System

Allied Steel Products Corp
Alloy Products Corp
Alsop Engrg Corp
American Car & Foundry Div
Arrow Tank Co
Automotive Rubber Co
Barnstead Still & Sterilizer Co
Bethlehem Steel Co
Bishopric Products Co
Black, Sivalls & Bryson
Boardman Co
Bros, Inc
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole, Mfg Co
Continental Boiler & Sheet Iron Works
Day Co
Delaware Barrel & Drum Co
Delta Tank Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Downingtown Iron Works
First Machy Corp
General American Transportation Corp
General Ceramics Corp
General Metals, Inc
Graver Tank & Mfg Co
Heil Process Equipment Corp
Kalamazoo Tank & Silo
O G Kelley & Co
Kirk & Blum Mfg Co
Knapp Mills
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Milton Roy Co
Mohawk Mfg Corp
Nooter Corp
Patterson Foundry & Mach Co
Perry Products Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Plastic Applicators
Posey Iron Works
Calude B Schneible Co
Schori Process Div
A O Smith Corp
Sprout, Waldron & Co
Stainless & Steel Products Co
Stainless Products, Inc
Star Tank & Filter Corp
A T Stearns Lumber Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Terriss Div
United States Rubber Co
Wendnagel & Co
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TANKS, TREATING

Allied Steel Products Corp
Arrow Tank Co
Bishopric Products Co
Black, Sivalls & Bryson
Boardman Co
Bros, Inc
Chicago Bridge & Iron Co
Continental Boiler & Sheet Iron Works
Dean Products Inc
Delaware Barrel & Drum
Delta Tank Mfg Co
Denver Equipment Co
J P Devine Mfg Co
Graver Tank & Mfg Co
Heil Process Equipment Corp
O G Kelley & Co
Leader Iron Works
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Pfaudler Co Div
Plastic Applicators
W S Rockwell Co
Rust Proofing & Metal Finishing Corp
Stainless Products, Inc
Star Tank & Filter Corp
Stover Steel Tank & Mfg Co
Wyatt Metal & Boiler Works, Inc
Wyatt's Plastics, Inc

TANKS, VULCANIZING

Bros, Inc
Buflovak Equipment Div
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Graver Tank & Mfg Co
Knapp Mills
Nooter Corp
Plastic Applicators
Stover Steel Tank & Mfg Co

►See catalog advertisement (Advertisers Index) See company directory for addresses

TANKS, WEIGHING

Allied Steel Products Corp
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Leader Iron Works
Manitowoc Shipbuilding
Nooter Corp
Stover Steel Tank & Mfg Co
Thayer Scale Corp

TANKS, WOOD

Arrow Tank Co
Black, Sivalls & Bryson
Denver Equipment Co
Hauser-Stander Tank Co
Kalamazoo Tank & Silo Co
O G Kelley & Co
New England Tank & Tower Co
A T Stearns Lumber Co
Wendnagel & Co

TANTALUM EQUIPMENT

►**Metal & Thermit Corp**

Allied Steel Products Corp
Fansteel Metallurgical Corp
Haynes Stellite Co
Manning & Lewis Engrg Co
Nooter Corp
Struthers Wells Corp

TAPE, FLUOROPLASTIC

Johns-Manville

Chicago Gasket Co
Connecticut Hard Rubber Co
Garlock Packing Co
Polymer Corp
Sparta Mfg Co

TAPE, SEALING, GUMMED

►**Gilman Paper Co**

Connecticut Hard Rubber Co
St Regis Paper Co

TAPE, SEALING, REINFORCED

►**Gilman Paper Co**

Permacel
St Regis Paper Co

TAPE, STAY

►**Gilman Paper Co**

St Regis Paper Co

TAPE, VENEER

►**Gilman Paper Co**

TAPES, HEATING

Fisher Scientific
Standard Scientific Supply Corp

Connecticut Hard Rubber Co
Cox & Co

TARPAULINS

B F Goodrich Industrial Prod Co, Rubber
Greenville Tubes, Inc
Hoosier Tarpaulin & Canvas Goods Co

TELEMETERS

BIF Industries
Bailey Meter Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Leeds & Northrup Co
Republic Flow Meters Co

TELESCOPES, INDUSTRIAL

Gaertner Scientific Corp

TESTERS, POROSITY

Whittington Pump & Engrg Corp

TESTING EQUIPMENT, PETROLEUM

Fisher Scientific

Artisan Metal Products
C W Brabender Instruments
Consolidated Electrodynamics Corp
Central Scientific Co
Electric Hotpack Co
Hallikainen Instruments
Soiltest Inc

TESTING EQUIPMENT, SAND

C W Brabender Instruments
Great Western Mfg Co
Soiltest Inc

TESTING INSTRUMENTS

Fisher Scientific

Baird-Atomic, Inc
Bausch & Lomb Optical Co
Beckman Instruments, Berkeley Div, Helipot Div
C W Brabender Instruments
Central Scientific Co
Consolidated Electrodynamics Corp
Ellison Draft Gage Co
Fischer & Porter Co
Gardner Lab
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Industrial Instruments
Kahn & Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Mast Development Co
Pacific Transducer Corp
Plas-Tech Equipment Corp
Simpson Elec Co
Soiltest Inc
Torsion Balance Co
Thwing-Albert Instrument Co
Wallace & Tiernan Inc
Williamson Development Co

THERMISTORS

Brown Instruments Div
Fenwal, Inc
Victory Engrg Corp

THERMOCOUPLES

Fisher Scientific

American Instrument Co
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Engelhard Industries
Fenwal, Inc
Foxboro Co
General Controls Co
General Elec Co, Apparatus Sales Div
Illinois Testing Labs
Leeds & Northrup Co
Pyro-Electric, Inc
Pyrometer Instrument Co
E C Smith Mfg Co
Thermo Elec Co
Thwing-Albert Instrument Co
Trinity Equipment Corp
Wabash Metal Products Co
West Instrument Corp

THERMOMETERS, BIMETALLIC

American Instrument Co
Bristol Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Precision Thermometer & Instrument Co
Pacific Transducer Corp
Rochester Mfg Co
United States Gauge Div
Weksler Instruments Corp

THERMOMETERS, CONTROLLING

American Instrument Co
Bailey Meter Co
Barber-Colman Co
C W Brabender Instruments
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Fischer & Porter Co
Foxboro Co
Hallikainen Instruments
Mason-Neilan Div
Moore Products Co
Powers Regulator Co
Precision Thermometer & Instrument Co
Rochester Mfg Co
Swartwout Co
United Elec Controls Co
Weksler Instruments Corp
West Instrument Corp

THERMOMETERS, DIAL

Eastman Kodak Co

American Instrument Co
Bristol Co
Thomas A Edison Industries
Electric Auto-Lite Co
Foxboro Co
Johnson Service Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Pacific Transducer Corp
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Rochester Mfg Co
Sarco Co
Simpson Elec Co
United States Gauge Div
Weksler Instruments Corp

THERMOMETERS, DIFFERENTIAL

Fisher Scientific

Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Manning, Maxwell & Moore, Inc
Moore Products Co
Weksler Instruments

THERMOMETERS, ELECTRICAL

Fisher Scientific

Barber-Colman Co
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Electric Auto-Lite Co
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Illinois Testing Labs
Industrial Development Labs
Leeds & Northrup Co
Simpson Elec Co
Thermo Elec Co
Thwing-Albert Instrument Co
Victory Engrg Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, INDICATING

Fisher Scientific

Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Electric Auto-Lite Co
Fischer & Porter Co
Foxboro Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Paper Thermometer Co
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Rochester Mfg Co
Simpson Elec Co
Thwing-Albert Instrument Co
United Elec Controls Co
United States Gauge Div
Weksler Instruments
West Instrument Corp

THERMOMETERS, INDUSTRIAL

Bailey Meter Co
Bristol Co
Thomas A Edison Industries
Electric Auto-Lite Co
Foxboro Co
Kimble Glass Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Moeller Instrument Co
Moore Products Co
Pacific Transducer Corp
Powers Regulator Co
Precision Thermometer & Instrument Co
Pyrometer Instrument Co
Rochester Mfg Co
Sarco Co
Simpson Elec Co
United States Gauge Div
Weksler Instruments Corp
West Instrument Corp

THERMOMETERS, LABORATORY

Eastman Kodak Co
Fisher Scientific
Standard Scientific Supply Corp

American Instrument Co
Central Scientific Co
Manning, Maxwell & Moore, Inc
Moeller Instrument Co
Pacific Transducer Corp
Popper & Sons
Precision Thermometer & Instrument Co
Rochester Mfg Co
Simpson Elec Co
Weksler Instruments Corp
West Instrument Corp

THERMOMETERS, RECORDING

American Instrument Co
Barber-Colman Co
Bailey Meter Co
Bristol Co
Brown Instruments Div
Electric Auto-Lite Co
Fischer & Porter Co
Foxboro Co
Hallikainen Instruments
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moeller Instrument Co
Pacific Transducer Corp
Paper Thermometer Co
Powers Regulator Co
Pyrometer Instrument Co
Swartwout Co
Thwing-Albert Instrument Co
United States Gauge Div
Weksler Instruments Corp
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, SURFACE

Bristol Co
Foxboro Co
Moeller Instrument Co
Pacific Transducer Corp
Pyrometer Instrument Co
Simpson Elec Co
Thwing-Albert Instrument Co
West Instrument Corp
Yellow Springs Instrument Co

THERMOMETERS, WET & DRY BULB

Fisher Scientific

American Instrument Co
Bristol Co
Brown Instruments Div
Foxboro Co
Johnson Service Co
Leeds & Northrup Co
Moeller Instrument Co
Powers Regulator Co
Precision Thermometer & Instrument Co
United Elec Controls Co
Weksler Instruments Corp

THERMOSTATS, ELECTRICAL

Barber-Colman Co
Bristol Co
Brown Instruments Div
Cox & Co
Fenwal, Inc
Fulton Sylphon Div
General Controls Co
General Elec Co, Apparatus Sales Div
Penn Controls
Precision Thermometer & Instrument Co
United Elec Controls Co

THICKENERS

Heyl & Patterson

Bird Mach Co
Denver Equipment Co
Hardinge Co
Infilco Inc
Lapp Insulator Co
Link-Belt Co

TILE, ACID-PROOF

National Carbon Co Div

Maurice A Knight Co
Logan Clay Products Co
Robinson Clay Product Co
United States Stoneware Co

TIMERS, ELECTRIC

Bristol Co
Cutler-Hammer, Inc
General Elec Co, Apparatus Sales Div
General Controls Co
Johnson Service Co
C W Logeman Co
Wallace & Tiernan Inc

TIMERS, INTERVAL

Standard Scientific Supply Corp

Beckman Instruments, Berkeley Div
Bristol Co
General Controls Co
General Elec Co, Apparatus Sales Div
Johnson Service Co
C W Logeman Co

TIMERS, PNEUMATIC & ELECTRONIC

Baird-Atomic, Inc
Beckman Instruments, Berkeley Div
Bristol Co
Cutler-Hammer, Inc
C W Logeman Co

TITRATORS, AUTOMATIC

Fisher Scientific

American Instrument Co
Beckman Instruments, Scientific & Process Instruments Divs
Central Scientific Co
Cutler-Hammer, Inc
Laboratory Equipment Corp

TOOLS, PIPE

Victaulic Co of America

TORCHES

Fisher Scientific

American Gas Furnace Co
Linde Co
National Cylinder Gas Div
North American Mfg Co

TOWERS, ABSORPTION

►Allied Chem Corp, Semet-Solvay Engrg Div
Mixing Equipment Co
National Carbon Co Div

Alco Products, Inc
Allied Steel Products Corp
Allis-Chalmers Mfg Co
Boardman Co
Bros, Inc
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Controlled Atmosphere Enclosures Mfg Co
Delta Tank Mfg Co
Downingtown Iron Works
Flint Steel Mfg Co
Foster Wheeler Corp
General Ceramics Corp
Graver Tank & Mfg Co
Kahn & Co
M W Kellogg Co
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works
Manitowoc Shipbuilding, Chem Engrg Service Div
McGregor-Michigan Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Claude B Schneible Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc
York Corp

TOWERS, ACID

National Carbon Co Div

Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Automotive Rubber Co
Carl N Beetle Plastics Corp
Bros Inc
Camden Copper Works
Colonial Iron Works Co
Delta Tank Mfg Co
Downingtown Iron Works
Electro Chem Engrg & Mfg Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics
Graver Tank & Mfg Co
Heil Process Equipment Corp
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works
Nooter Corp
Schorl Process Div
Stover Steel Tank & Mfg Co
Struthers Wells Corp
United States Stoneware Co
Wyatt Metal & Boiler Works, Inc

TOWERS, BUBBLE

►Allied Chem Corp, Semet-Solvay Engrg Div
National Carbon Co Div

Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Boardman Co
Bros, Inc
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Flint Steel Mfg Co
General Ceramics Corp
Graver Tank & Mfg Co
O G Kelley & Co
M W Kellogg Co
Knapp Mills
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Pfaudler Co Div
Posey Iron Works
Edw Renneburg & Sons Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Vulcan Mfg
Whitlock Mfg Co
Wurster & Sanger
Wyatt Metal & Boiler Works, Inc

TOWERS, COOLING

Acme Industries
Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Arrow Tank Co
Boardman Co
Camden Copper Works
Downingtown Iron Works
Foster Wheeler Corp
Knapp Mills
Leader Iron Works
Lille-Hoffmann Cooling Towers
Marley Co
Marlo Coil Co
Modern Welding Co
Mohawk Mfg Corp
National-US Radiator Corp
Nooter Corp
Pfaudler Co Div
J F Pritchard & Co of Cal
Edw Renneburg & Sons Co
Stover Steel Tank & Mfg Co
Trane Co
Young Radiator Co

TOWERS, EVAPORATOR

Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Artisan Metal Products
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
Delta Tank Mfg Co
Foster Wheeler Corp
Graver Tank & Mfg Co
Leader Iron Works
National-US Radiator Co
Pfaudler Co Div
Stover Steel Tank & Mfg Co
United States Stoneware Co
Vulcan Mfg
Wurster & Sanger
Wyatt Metal & Boiler Works, Inc

TOWERS, FRACTIONATING

National Carbon Co Div

Air Products, Inc; Process Equip Div
Alco Products, Inc
Allied Steel Products Corp
Ampco Metal
Artisan Metal Products
S Blickman, Inc
Boardman Co
Bros, Inc
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
R D Cole Mfg Co
Colonial Iron Works Co
Combustion Engrg
Condenser Service & Engrg Co
Continental Boiler & Sheet Iron Works
Corning Glass Works
Delta Tank Mfg Co
Downingtown Iron Works
Falls Industries
Flint Steel Mfg Co
Foster Wheeler Corp
Graver Tank & Mfg Co
O G Kelley & Co
M W Kellogg Co
Lapp Insulator Co
Leader Iron Works
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Co
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Posey Iron Works
A O Smith Corp
Arthur F Smith Co
Southwestern Engrg Co
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Whitlock Mfg Co
Wyatt Metal & Boiler Works, Inc

TOWERS, PACKING

Allied Steel Products Corp
Camden Copper Works
Downingtown Iron Works
General Ceramics Corp
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works
Metal Textile Corp
Metallo Gasket Co
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Star Porcelain Co
Stover Steel Tank & Mfg Co
United States Stoneware Co
Vulcan Mfg
Wyatt Metal & Boiler Works, Inc

TOWERS, PACKING, ACID-PROOF

National Carbon Co Div

Automotive Rubber Co
Camden Copper Works
General Ceramics Corp
O G Kelley & Co
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
Leader Iron Works
Metallo Gasket Co
Nooter Corp
Pfaudler Co Div
Stover Steel Tank & Mfg Co
United States Stoneware Co
Wyatt Metal & Boiler Works, Inc

TOWERS, SCRUBBING

►Allied Chem Corp, Semet-Solvay Engrg Div
Du Verre, Inc

Allied Steel Products Corp
Automotive Rubber Co
Carl N Beetle Plastics Corp
Camden Copper Works
Chicago Bridge & Iron Co
Colonial Iron Works Co
Continental Boiler & Sheet Iron Works
Corning Glass Works
Downingtown Iron Works
Falls Industries
Flint Steel Mfg Co
Gas Machy Co
General Ceramics Corp
Graver Tank & Mfg Co
M W Kellogg Co
Knapp Mills
Maurice A Knight Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Leader Iron Works
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Modern Welding Co
Mohawk Mfg Corp
Nooter Corp
Packed Column Corp
Pfaudler Co Div
Edw Renneburg & Sons Co
Claude B Schneible Co
Schorl Process Div
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
United States Stoneware Co
Vulcan Mfg
Wendnagel & Co
Wyatt Metal & Boiler Works, Inc

TRACTOR-SHOVELS

Allis-Chalmers Mfg Co
Caterpillar Tractor Co
Frank G Hough Co
Pettibone Mulliken Corp
Tractomotive Corp
Yale & Towne Mfg Co

TRACTORS, INDUSTRIAL

Allis-Chalmers Mfg Co
Caterpillar Tractor Co
Frank G Hough Co
Mercury Mfg Co
Moto-Truc Co
Pettibone Mulliken Corp
Revolvator Co
Yale & Towne Mfg Co

TRAILERS

Baughman Mfg Co
Fairbanks Co
Fruehauf Trailer Co
General Metals, Inc
Mercury Mfg Co
Pettibone Mulliken Corp
S I Handling Systems
West Bend Equipment Corp

TRANSDUCERS

Bristol Co
Brown Instruments Div
Consolidated Electrodynamics Corp
Detrex Chem Industries
Fischer & Porter Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Norwood Controls
United States Gauge Div
Wallace & Tiernan Inc

TRANSFORMERS

Allis-Chalmers Mfg Co
Ferranti Elec Inc
General Controls Co
General Elec Co, Apparatus Sales Div
General Radio Co
Hevi-Duty Elec Co
I-T-E Circuit Breaker Co
Perkin Engrg Co
Simpson Electric, Standard Transformer Co
Superior Elec Co
Wagner Elec Corp

TRANSMISSIONS, VARIABLE SPEED

Allis-Chalmers Mfg Co
American Standard Industrial Div
Cleveland Worm & Gear Co
Foxboro Co
Graham Transmissions Inc
Link-Belt Co
Oilgear Co
Reeves Pulley Co
Sterling Elec Motors
United States Elec Motors
United States Rubber Co
Zero-Max Co

TRANSMITTERS, ELECTRICAL

BIF Industries
Bailey Meter Co
Bristol Co
Brooks Rotameter Co
Brown Instruments Div
Foxboro Co
General Elec Co, Apparatus Sales Div
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co

TRANSMITTERS, FLOW

BIF Industries
Bailey Meter Co
Bristol Co
Brooks Rotameter Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Hays Corp
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Norwood Controls
Republic Flow Meters Co
United States Gauge Div

TRANSMITTERS, FORCE BALANCE

BIF Industries
Bailey Meter Co
Bristol Co
Brown Instruments Div
Fischer & Porter Co
Foxboro Co
Hays Corp
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co

TRANSMITTERS, PNEUMATIC

BIF Industries
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brooks Rotameter Co
Brown Instruments Div
Conoflow Corp
Fischer & Porter Co
Foxboro Co
Hays Corp
Johnson Service Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Powers Regulator Co
Republic Flow Meters Co
Schutte & Koerting Co
United States Gauge Div

TRANSMITTERS, POTENTIOMETER

Bristol Co
Brown Instruments Div
Foxboro Co
Hays Corp
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Shand & Jurs Co

TRANSMITTERS, POWER

Bristol Co

TRANSMITTERS, PRESSURE

Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Conoflow Corp
Fischer & Porter Co
Foxboro Co
Hays Corp
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Norwood Controls
Republic Flow Meters Co
Shand & Jurs Co
United States Gauge Div

TRANSMITTERS, TEMPERATURE

Bailey Meter Co
Barber-Colman Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Thomas A Edison Industries
Fischer & Porter Co
Foxboro Co
Hays Corp
Johnson Service Co
Leeds & Northrup Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
Moore Products Co
Norwood Controls
Powers Regulator Co
Republic Flow Meters Co
Shand & Jurs Co
United States Gauge Div

TRANSMITTERS, WEIGHT

Bristol Co
Foxboro Co
Toledo Scale
Weighing & Control Components

TRAPS, ACID

Allied Steel Products
Corning Glass Works
General Ceramics Corp
Knapp Mills
Maurice A Knight Co
United States Stoneware Co

TRAPS, AIR

V D Anderson Co
Armstrong Mach Works
Clark Mfg Co
Kaye & MacDonald, Inc
Sarco Co
C E Squires Co
Strong, Carlisle & Hammond, Steam specialty Div

►See catalog advertisement (Advertisers Index) See company directory for addresses

TRAPS, LIFTING & VACUUM

Clark Mfg Co
Consolidated Electrodynamics Corp, Rochester Div
J P Devine Mfg Co
Johnson Corp
NRC Equipment Corp
Sarco Co
Arthur F Smith Co
C E Squires Co
Strong, Carlisle & Hammond, Steam Specialty Div

TRAPS, OIL

V D Anderson Co
Clark Mfg Co
Strong, Carlisle & Hammond
C E Squires Co

TRAPS, STEAM

V D Anderson Co
Armstrong Mach Works
Clark Mfg Co
Cochrane Corp
Kaye & MacDonald, Inc
Jas P Marsh Corp
Powers Regulator Co
Sarco Co
Fred H Schaub Engrg Co
C E Squires Co
Strong, Carlisle & Hammond, Steam Specialty Div
Trane Co
Velan Steam Specialties
Yarnall-Waring Co

TRAYS, BUBBLE

Standard Steel Corp

Allied Steel Products Corp
Camden Copper Works
Delta Tank Mfg Co
Knapp Mills
Leader Iron Works
Nooter Corp
Pfaudler Co Div
Stearns-Roger Mfg Co
Vulcan Mfg

TRAYS, DRYING & EVAPORATING

Allied Steel Products Corp
Buflovak Equipment Div
Corning Glass Works
Dean Products Inc
Firmaline Products Inc
Kirk & Blum Mfg Co
Knapp Mills
National Drying Machy Co
Platecoil Div

TRAYS, SECTIONAL

Allied Steel Products Corp
Delta Tank Mfg Co
Kirk & Blum Mfg Co
Vulcan Mfg

TRIPPLERS, BELT CONVEYOR

Chain Belt Co
Link-Belt Co
Stephens-Adamson Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div

TROLLEYS

Electro-Lift, Inc
Gardner-Denver Co
Link-Belt Co
Yale & Towne Mfg Co

TRUCKS, BARREL

Allis-Chalmers Mfg Co
American Pulley Co
Economy Engrg Co
Fairbanks Co
Hodgson Equipment Co
Lewis-Shepard Products
S I Handling Systems
West Bend Equipment Corp
Paul O Young Co

TRUCKS, ELEVATING

Allis-Chalmers Mfg Co
American Pulley Co
Economy Engrg Co
Elwell-Parker Elec Co
Fairbanks Co
Lewis-Shepard Products
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
West Bend Equipment Corp

TRUCKS, FORK

Allis-Chalmers Mfg Co
Clark Equipment Co
Elwell-Parker Elec Co
Lewis-Shepard Products
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, HAND LIFT

American Pulley Co
Clark Equipment Co
Economy Engrg Co
Elwell-Parker Elec Co
Hamilton Caster & Mfg Co
Lewis-Shepard Products
Revolvator Co
Sabin Mach Co
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, INDUSTRIAL

Clark Equipment Co
Economy Engrg Co
Elwell-Parker Elec Co
Fairbanks Co
General Metals, Inc
Frank G Hough Co
Lewis-Shepard Products
Mercury Mfg Co
Moto-Truc Co
Pettibone Mulliken Corp
Prime-Mover Co
Rapids-Standard Co
Raymond Corp
Revolvator Co
W S Rockwell Co
S I Handling Systems
West Bend Equipment Corp
Yale & Towne Mfg Co

TRUCKS, LIFT

J H Day Co Div

Allis-Chalmers Mfg Co
American Pulley Co
Economy Engrg Co
Elwell-Parker Elec Co
Lewis-Shepard Products
Mercury Mfg Co
Moto-Truc Co
Pettibone Mulliken Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, PALLET

Allis-Chalmers Mfg Co
American Pulley Co
Elwell-Parker Elec Co
Lewis-Shepard Products
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, PLATFORM

Allis-Chalmers Mfg Co
American Pulley Co
Economy Engrg Co
Elwell-Parker Elec Co
Fairbanks Co
Hamilton Caster & Mfg Co
Lewis-Shepard Products
Mercury Mfg Co
Moto-Truc Co
Pettibone Mulliken Corp
Prime-Mover Co
Raymond Corp
Revolvator Co
S I Handling Systems
Uhrden, Inc
West Bend Equipment Corp
Yale & Towne Mfg Co
Paul O Young Co

TRUCKS, POWER

Allis-Chalmers Mfg Co
Economy Engrg Co
Lewis-Shepard Products
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TRUCKS, STRADDLE

Clark Equipment Co
Economy Engrg Co
Lewis-Shepard Products
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Uhrden, Inc
Yale & Towne Mfg Co

TUBE FILLING & CLOSING MACHINES

Arthur Colton Co
Popper & Sons

TUBE MACHINERY, COLLAPSIBLE

Arthur Colton Co
Popper & Sons

TUBES, COMBUSTION

Corning Glass Works
Engelhard Industries
McDanel Refractory
Porcelain Co
Thermal American Fused Quartz

TUBES, CONDENSER

Allied Steel Products Corp
American Brass Co
Bridgeport Brass Co
A M Byers Co
Chase Brass & Copper Co
Corning Glass Works
Engelhard Industries
Hamilton Caster & Mfg Co
Middlesex Paper Tube Co
National-US Radiator Corp
Pacific Tube Co
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Union Steel Corp

TUBES, COPPER

Allied Steel Products Corp
American Brass Co
Bridgeport Brass Co
Chase Brass & Copper Co
Crescent Insulated Wire & Cable Co
Revere Copper & Brass
Wolverine Tube Div

TUBES, CORROSION-RESISTING ALLOY

Allegheny Ludlum Steel Corp
Allied Steel Products Corp
American Brass Co
American Cast Iron Pipe Co
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Chase Brass & Copper Co
Crucible Steel Co of America
Electric Steel Foundry Co
Engelhard Industries
Greenville Tubes Inc
Haynes Stellite Co
Knapp Mills
Mallory-Sharon Metals Corp
Michigan Seamless Tube Co
Pacific Tube Co
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Stainless Products, Inc
Swepco Tube Co
Union Steel Corp
Wolverine Tube Div

TUBES, EVAPORATOR

Allied Steel Products Corp
American Brass Co
Ampco Metal
Bridgeport Brass Co
A M Byers Co
Crucible Steel Co of America
Chase Brass & Copper Co
Dean Products Inc
Michigan Seamless Tube Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Union Steel Corp
Wolverine Tube Div

TUBE, GENTILE FLOW

Foster Engrg Div
Wolverine Tube Div

TUBES, HEAT EXCHANGER

National Carbon Co Div

Allied Steel Products Corp
American Brass Co
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Brown Fintube Co
A M Byers Co
Chase Brass & Copper Co
Corning Glass Works
Crucible Steel Co of America
Dean Products Inc
Electric Steel Foundry Co
Heatron, Inc
Heil Process Equipment Corp
Michigan Seamless Tube Co
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Superior Tube Co
Union Steel Corp
Wolverine Tube Div

TUBES, PYROMETER

American Instrument Co
Corning Glass Works
Engelhard Industries
General Elec Co, Apparatus Sales Div
Illinois Testing Labs
Leeds & Northrup Co
McDanel Refractory Porcelain Co
Thermal American Fused Quartz
Trinity Equipment Corp
West Instrument Corp

TUBES, VENTURI

Ampco Metal
BIF Industries
Crucible Steel Co of America
Foxboro Co
Inflico, Inc
Republic Steel Corp, Steel & Tubes Div
Superior Tube Co

TUBES & CORES, PAPER

Master Package Corp
Middlesex Paper Tube Co
R C Can Co

TUBING, ALUMINUM, BRONZE

American Brass Co
Ampco Metal
Crescent Insulated Wire & Cable Co
Chase Brass & Copper Co
Engelhard Industries
Harvey Aluminum
Revere Copper & Brass

TUBING, CARBON

National Carbon Co Div

Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Falls Industries
Foster Engrg Div
Heil Process Equipment Corp
Michigan Seamless Tube Co
Pacific Tube Co
Republic Steel Corp, Steel & Tubes Div
Stackpole Carbon Co
Timken Roller Bearing Co

TUBING, FINNED

National Carbon Co Div

Alco Products, Inc
Bridgeport Brass Co
Brown Fintube Co
Carpenter Steel Co
Chase Brass & Copper Co
Heatron, Inc
Knapp Mills
Michigan Seamless Tube Co
National-U S Radiator Corp
Revere Copper & Brass
Trane Co
Wolverine Tube Div

TUBING, FLEXIBLE, METAL

American Brass Co
Anaconda Metal Hose Div
Bridgeport Brass Co
Crescent Insulated Wire & Cable Co
Flexaust Co
Crucible Steel Co of America
Flexonics Corp
B F Goodrich Industrial Prod Co, Plastics
Packless Metal Hose
Zallea Bros

TUBING, FLUOROPLASTIC

►Resistoflex Corp

American Brass Co
Anaconda Metal Hose Div
Chicago Gasket Co
L Frank Markel & Sons
Polymer Corp
Raybestos-Manhattan
Sparta Mfg Co

TUBING, GLASS

Fisher Scientific

Corning Glass Works
Fischer & Porter Co
Kimble Glass Co

TUBING, GLASS, PRECISION BORE

Fisher Scientific

Corning Glass Works
Fischer & Porter Co

TUBING, HARD RUBBER

American Hard Rubber Co Div
B F Goodrich Industrial Prod Co, Plastics
Gates Rubber Co
Luzerne Rubber Co
Spiral-Glas Pipe Co

TUBING, INSPECTION INSTRUMENTS

Fischer & Porter Co
Wolverine Tube Div

TUBING, NICKEL ALLOY

Allied Steel Products Corp
American Cast Iron Pipe Co
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Bridgeport Brass Co
Carpenter Steel Co
Crucible Steel Co of America
Chase Brass & Copper Co
Dean Products Inc
Electric Steel Foundry Co
Greenville Tubes Inc
Haynes Stellite Co
International Nickel Co
Michigan Seamless Tube Co
Republic Steel Corp, Steel & Tubes Div
Stainless Products, Inc
Superior Tube Co

TUBING, PLASTIC

►Borden Chem Co
Fisher Scientific
►Goodall Rubber Co
►Resistoflex Corp

Alpha Plastics
American Brass Co
American Hard Rubber Co Div
A M Byers Co
Chicago Gasket Co
Continental Can Co, Flexible Packaging Div
Crescent Insulated Wire & Cable Co
Evanite Plastic Co
Fibercast Co
Flexible Tubing Corp
Fluorolon Labs
Garlock Packing Co
B F Goodrich Industrial Prod Co, Plastics
Heil Process Equipment Corp
Houghton Labs, Inc
Imperial Brass Mfg Co
Knapp Mills
Luzerne Rubber Co
L Frank Markel & Sons
Pelamay Products
Polymer Corp
H K Porter Co, Thermoid Div
Protective Lining Corp
Raybestos-Manhattan
Republic Plastic & Chem Corp
Spiral-Glas Pipe Co
United States Rubber Co
United States Stoneware Co
Wyatt's Plastics, Inc

TUBING, POLYETHYLENE

Fisher Scientific
►Goodall Rubber Co

American Hard Rubber Co Div
Continental Can Co, Flexible Packaging Div
Crescent Insulated Wire & Cable Co
Heil Process Equipment Corp
Imperial Brass Mfg Co
L Frank Markel & Sons
Par-pak Co
Pelamay Products
H K Porter Co, Thermoid Div
Protective Lining Corp
Reliance Plastic & Chem Corp
United States Stoneware Co
Wyatt's Plastics, Inc

TUBING, PROTECTED PNEUMATIC

American Brass Co
Bailey Meter Co
Crescent Insulated Wire & Cable Co

TUBING, RUBBER

Fisher Scientific
►Goodall Rubber Co
Standard Scientific Supply Corp

American Hard Rubber Co Div
Blaco Mfg Co
Garlock Packing Co
Gates Rubber Co
L Frank Markel & Sons
H K Porter Co, Thermoid Div
Raybestos-Manhattan
Spiral-Glas Pipe Co
United States Rubber Co
Wyatt's Plastics, Inc

TUBING, SARAN

Dow Chem Co

American Hard Rubber Co Div
Raybestos-Manhattan

TUBING, SEAMLESS

Allegheny Ludlum Steel Corp
American Brass Co
American Instrument Co
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Chase Brass & Copper Co
Crucible Steel Co of America
Greenville Tubes Inc
Harvey Aluminum
International Nickel Co
Mallory-Sharon Metals Corp
L Frank Markel & Sons
Michigan Seamless Tube Co
Pacific Tube Co
Republic Steel Corp
Revere Copper & Brass
Superior Tube Co
Timken Roller Bearing Co
Union Steel Corp
Wolverine Tube Div

TUBING, STAINLESS

Allegheny Ludlum Steel Corp
Allied Steel Products Corp
American Cast Iron Pipe Co
American Instrument Co
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Bridgeport Brass Co
Carpenter Steel Co
Chase Brass & Copper Co
Crucible Steel Co of America
Dean Products Inc
Electric Steel Foundry Co
Flexonics Corp
Greenville Tubes Inc
Pacific Tube Co
Republic Steel Corp
Republic Steel Corp, Steel & Tubes Div
Stainless Products, Inc
Superior Tube Co
Swepco Tube Co
Timken Roller Bearing Co
Union Steel Corp
Wolverine Tube Div

TUBING, TANTALUM

Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Bridgeport Brass Co
Crucible Steel Co of America
Fansteel Metallurgical Corp
Haynes Stellite Co
Mallory-Sharon Metals Co

TUBING, TITANIUM

Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Bridgeport Brass Co
Crucible Steel Co of America
Carpenter Steel Co
Harvey Aluminum
Mallory-Sharon Metals Co
Republic Steel Corp, Steel & Tubes Div
Superior Tube Co

TUBING, WELDED

Allegheny Ludlum Steel Corp
Allied Steel Products
Ampco Metal
Babcock & Wilcox Co, Tubular Products Div
J Bishop & Co Platinum Works
Carpenter Steel Co
Clayton Mark & Co
Continental Boilers & Sheet Iron Works
Crucible Steel Co of America
Flexonics Corp
Mallory-Sharon Metals Co
Republic Steel Corp, Steel & Tubes Div
Revere Copper & Brass
Superior Tube Co
Union Steel Corp
Wolverine Tube Div

TUBING, ZIRCONIUM

Allegheny Ludlum Steel Corp
Babcock & Wilcox Co, Tubular Products Div
Bridgeport Brass Co
Carpenter Steel Co
Crucible Steel Co of America
Harvey Aluminum
Mallory-Sharon Metals Corp
Republic Steel Corp, Steel & Tubes Div
Superior Tube Co
Wolverine Tube Div

TURBINES, GAS

Allis-Chalmers Mfg Co
Brown Boveri Corp
Coppus Engrg Corp
Elliott Co
General Elec Co, Apparatus Sales Div

TURBINES, MECHANICAL DRIVE

Coppus Engrg Corp
Elliott Co
Engineering Controls
Murray Iron Works Co
General Elec Co, Apparatus Sales Div
Terry Steam Turbine Co
L J Wing Mfg Co

TURBINES, MERCURY

General Elec Co, Apparatus Sales Div

TURBINES, STEAM

Allis-Chalmers Mfg Co
Brown Boveri Corp
Coppus Engrg Corp
Elliott Co
Murray Iron Works Co
Terry Steam Turbine Co
General Elec Co, Apparatus Sales Div

TURNTABLES

Hardinge Co
Rapids-Standard Co
Standard Conveyor Co

U-V

UNIONS

►Henry Vogt Mach Co

Chase Brass & Copper Co
B F Goodrich Industrial Prod Co, Plastics
Lunkenheimer Co
H K Porter Co, Forge & Fittings Div

UNLOADERS, CAR

►Fuller Co
Heyl & Patterson

Barber-Greene Co
Baughman Mfg Co
Beardman Co
Brady Conveyors Corp
J C Corrigan Co
Day Co
Flexoveyor Mfg Co
Frank G Hough Co
Jeffrey Mfg Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Link-Belt Co
Myers Sherman Co
National Conveyor Corp
Oliver Corp
Pettibone Mulliken Corp
Sprout, Waldron & Co
Stephens-Adamson Mfg Co

UNLOADERS, HYDRAULIC TRUCK

Link-Belt Co

UNLOADERS, VIBRATING, CAR

Allis-Chalmers Mfg Co
Link-Belt Co
Martin Engrg Co
Stephens-Adamson Mfg Co
Syntron Co

VACUUM COATERS & FREEZERS

Consolidated Electrodynamics Corp
N R C Equipment Corp
F J Stokes Corp
Consolidated Electrodynamics Corp, Rochester Div

VALVES, ACID-RESISTING

Dow Chem Co
National Carbon Co Div

Alloy Steel Products Co
Alpha Plastics
American Hard Rubber Co Div
American Instrument Co
American Smelting & Refining Co
Ampco Metal
Annin Co
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Automotive Rubber Co
Barksdale Valves
Cameron Iron Works
Conoflow Corp
Copper Alloy Corp
George W Dahl Co
Darling Valve & Mfg Co
Delaware Barrel & Drum Co
DeZurik Corp
Edward Valves, Inc
Electric Steel Foundry Co
Everlasting Valve Co
Falls Industries
Farris Flexible Valve Corp
Fulton Sylphon Div
Gallgher Co
General Controls Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Grinnell Co
Hamer Valves, Inc
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Jerguson Gage & Valve Co
O G Kelley & Co
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Klipfel Valves, Inc
Maurice A Knight Co
Lapp Insulator Co
Lead Lined Iron Pipe Co
Leslie Co
Lunkenheimer Co
Luzerne Rubber Co
Milton Roy Co
OPW-Jordan
Parks-Cramer Co
Pfaudler Co Div
Plastic Applicators
Wm Powell Co
Red Jacket Co
Republic Mfg Co
Resisto Pipe & Valve Co
Rockwell Mfg Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Tube Turns Plastics
United States Stoneware Co
Velan Steam Specialties
Walworth Co
Wyatt's Plastics, Inc

VALVES, AIR

►Allied Chem Corp, Semet-Solvay Engrg Div

Airmatic Valve
American Instrument Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Atlas Valve Co
Barber-Colman Co
Barksdale Valves
Bridgeport Brass Co
Bristol Co
A W Cash Co
Clark-Cooper Co
Conoflow Corp
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Eclipse Fuel Engrg Co
Edward Valves, Inc
Fairbanks Co
Farris Flexible Valve Corp
Fulton Sylphon Div
Galland-Henning Div
Gardner-Denver Co
General Controls Co
J D Gould Co
Grinnell Co
Hammel-Dahl
Hanna Engrg Works
Hills-McCanna Co
Hoke, Inc
Hose Accessories Co
Johnson Corp
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Klipfel Valves, Inc
Ladish Co
Leslie Co
Lunkenheimer Co
North American Mfg Co
OPW-Jordan
Wm Powell Co
Reed Roller Bit Co
Republic Flow Meters Co
Republic Mfg Co
C E Squires Co
Star Tank & Filter Corp
Stockham Valves & Fittings
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, AUTOMATIC

American Instrument Co
Annin Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Barber-Colman Co
Barksdale Valves
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Conoflow Corp
Consolidated Electrodynamics Corp, Rochester Div
Coppus Engrg Corp
George W Dahl Co
DeZurik Corp
Durable Mfg Co
Eclipse Fuel Engrg Co
Farris Flexible Valve Corp
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
General Controls Co
J D Gould Co
Grinnell Co
Hammel-Dahl
Johnson Service Co
S P Kinney Engrs Inc
Klipfel Valves Inc
Ladish Co
Leslie Co
Lunkenheimer Co
Mason-Neilan Div
Mission Mfg Co
OPW-Jordan
Powers Regulator Co
W S Rockwell Co
Schutte & Koerting Co
Shand & Jurs Co
C E Squires Co
Walworth Co

VALVES, BALANCED

American Instrument Co
Annin Co
Black, Sivalls & Bryson
Bristol Co
Bryant Industrial Products Corp
A W Cash Co
Copes-Vulcan Div
Foster Engrg Div
Fulton Sylphon Div
Galland-Henning Mfg Co
Granberg Corp
Hammel-Dahl
Kaye & MacDonald, Inc
Klipfel Valves Inc
Leslie Co
Mason-Neilan Div
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
W-K-M Co

VALVES, BACK PRESSURE

American Instrument Co
Annin Co
Associated Valve Co
Atlas Valve Co
Black, Sivalls & Bryson
Bristol Co
A W Cash Co
Clark-Cooper Co
Clayton Mark & Co
Cochrane Corp
Conoflow Corp
Delta Tank Mfg Co
Eclipse Engrg Co
Edward Valves, Inc
Foster Engrg Div
Granberg Corp
Gray Co
Hammel-Dahl
Kennedy Valve Mfg Co
Klipfel Valves, Inc
Leslie Co
Manning, Maxwell & Moore, Inc
Milton Roy Co
OPW-Jordan
Pennsylvania Pump & Compressor Co
Schutte & Koerting Co
Spence Engrg Co
C E Squires Co
Stockham Valves & Fittings
Walworth Co

VALVES, BALL

Cardox Div

Allis-Chalmers Mfg Co
American Instrument Co
Edward Valves, Inc
Electric Steel Foundry Co
Fairbanks Co
Foxboro Co
B F Goodrich Industrial Prod Co, Plastics
Hills-McCanna Co
Lunkenheimer Co
NRC Equipment Corp
Rockwell Mfg Co
Vapor Recovery Systems Co
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, BLOWOFF

American Instrument Co
Associated Valve Co
Conoflow Corp
Crane Co
DeZurik Corp
Edward Valves, Inc
Electric Steel Foundry Co
Everlasting Valve Co
Fairbanks Co
Henszey Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Wm Powell Co
Shand & Jurs Co
Velan Steam Specialties
W-K-M Co
Walworth Co
Yarnall-Waring Co

VALVES, BUTTERFLY

►**Allied Chem Corp, Semet-Solvay Engrg Div**

Allis-Chalmers Mfg Co
BIF Industries
Bryant Industrial Products Corp
Conoflow Corp
Consolidated Electrodynamics Corp, Rochester Div
Darling Valve & Mfg Co
Eclipse Fuel Engrg Co
Foxboro Co
Gas Machy Co
Granberg Corp
Hammel-Dahl
S P Kinney Engrs Inc
Ladish Co, Tri-Clover Div
Manitowoc Shipbuilding, Chem Engrg Service Div
Mason-Neilan Div
North American Mfg Co
Patterson-Kelley Co
Rockwell Mfg Co
W S Rockwell Co
Schutte & Koerting Co
Walworth Co

VALVES, BYPASS

American Instrument Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Barber-Colman Co
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
De Zurik Corp
Edward Valves, Inc
Fairbanks Co
Granberg Corp
Kennedy Valve Mfg Co
Klipfel Valves Inc
Lunkenheimer Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning, Maxwell & Moore, Inc
Wm Powell Co
Schutte & Koerting Co
Stockham Valves & Fittings
Velan Steam Specialties
Walworth Co
Watts Regulator Co

VALVES, CHECK

►**Allied Chem Corp, Semet-Solvay Engrg Div**

►**Henry Vogt Mach Co**

Airmatic Valve
Alloy Steel Products Co
American Instrument Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Chase Brass & Copper Co
Chemiquip Co
Clayton Mark & Co
Cochrane Corp
Copper Alloy Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
Durable Mfg Co
Eclipse Fuel Engrg Co
Edward Valves, Inc
Electric Steel Foundry Co
Fairbanks Co
Foster Engrg Div
B F Goodrich Industrial Prod Co, Plastics
Grinnell Co
Hammel-Dahl
Hoke, Inc
Imperial Brass Mfg Co
Jeffrey Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
La Favorite Rubber Mfg Co
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Milton Roy Co
OPW-Jordan
Parks-Cramer Co
Pennsylvania Pump & Compressor Co
H A Phillips & Co
Wm Powell Co
Republic Mfg Co
W S Rockwell Co
Schutte & Koerting Co
Sealol Corp
C E Squires Co
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stockham Valves & Fittings
Tube Turns Plastics
Velan Steam Specialties
Vernon Tool Co
Vilter Mfg Co
Walworth Co

VALVES, CHLORINE

►**Henry Vogt Mach Co**

Alloy Steel Products Co
American Instrument Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Cameron Iron Works
Conoflow Corp
Crane Co
George W Dahl Co
DeZurik Corp
Edward Valves, Inc
Fischer & Porter Co
General Ceramics Corp
Grinnell Co
Manning, Maxwell & Moore, Inc
Star Tank & Filter Corp
Stockham Valves & Fittings
Wallace & Tiernan Inc
Walworth Co

VALVES, COMPRESSOR, SUCTION & DISCHARGE

J H H Voss Co

VALVES, CONTROL, ELECTRIC

►**Fuller Co**

Airmatic Valve
American Instrument Co
Annin Co
Atkomatic Valve Co
Automatic Switch Co
BIF Industries
Barber-Colman Co
Clark-Cooper Co
Conoflow Corp
Consolidated Electrodynamics Corp, Rochester Div
Copes-Vulcan Div
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Edward Valves, Inc
Falls Industries
Foster Engrg Div
Foxboro Co
Fulton-Sylphon Div
General Controls Co
J D Gould Co
Hanna Engrg Works
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
McDonnell & Miller
Norwood Controls
Wm Powell Co
Republic Flow Meters Co
Rockwell Mfg Co
W S Rockwell Co
C E Squires Co
Spence Engrg Co
Stockham Valves & Fittings
W-K-M Co
Walworth Co

VALVES, CONTROL, HYDRAULIC

Airmatic Valve
Alloy Steel Products Co
American Instrument Co
Annin Co
Atlas Valve Co
BIF Industries
Barber-Colman Co
Barksdale Valves
Bristol Co
Cameron Iron Works
A W Cash Co
Clarkson Co
Copes-Vulcan Div
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Fischer & Porter Co
Foster Engrg Div
Fulton-Sylphon Div
Galigher Co
Galland-Henning Mfg Co
General Controls Co
Hammel-Dahl
Hanna Engrg Works
Imperial Brass Mfg Co
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Leslie Co
Manning, Maxwell & Moore, Inc
Mason-Neilan Div
North American Mfg Co
Oilgear Co
Wm Powell Co
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
W S Rockwell Co
Shand & Jurs Co
Stockham Valves & Fittings
W-K-M Co
Walworth Co

VALVES, CORROSION RESISTANT

Dow Chem Co
National Carbon Co Div

Alloy Steel Products Co
Alpha Plastics
American Hard Rubber Co Div
American Instrument Co
Ampco Metal
Annin Co
Associated Valve Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
BIF Industries
Barber-Colman Co
Barksdale Valves
Cameron Iron Works
A W Cash Co
Clarkson Co
Conoflow Corp
Copper Alloy Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Durabla Mfg Co
Edward Valves, Inc
Electric Steel Foundry Co
Everlasting Valve Co
Falls Industries
Farris Flexible Valve Corp
Fischer & Porter Co
Fulton-Sylphon Div
Galigher Co
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics
Gifford-Wood Co
Grinnell Co
Hamer Valves, Inc
Hammel-Dahl
Hills-McCanna Co
Kennedy Valve Mfg Co
Klipfel Valves Inc
S P Kinney Engrs Inc
Knapp Mills
Maurice A Knight Co
Lapp Insulator Co
Lead Lined Iron Pipe Co
Leslie Co
Lunkenheimer Co
Luzerne Rubber Co
OPW-Jordan
Parks-Cramer Co
Pfaudler Co Div
Plastic Applicators
Wm Powell Co
Republic Mfg Co
Rockwell Mfg Co
W S Rockwell Co
Schutte & Koerting Co
Shand & Jurs Co
Star Tank & Filter Corp
A T Stearns Lumber Co
Stockham Valves & Fittings
Strahman Valves
Tube Turns Plastics
Velan Steam Specialties
Walworth Co
Worcester Valve Co
Wyatt's Plastics, Inc

VALVES, DIAPHRAGM

Dow Chem Co

American Instrument Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
Black, Sivalls & Bryson
Bristol Co
Bryant Industrial Products
Clark-Cooper Co
Conoflow Corp
Crane Co
George W Dahl Co
Eclipse Fuel Engrg Co
Falls Industries
Farris Flexible Valve Corp
Foster Engrg Div
Foxboro Co
Fulton Sylphon Div
Galigher Co
General Ceramics Corp
General Controls Co
B F Goodrich Industrial Prod Co, Plastics
Granberg Corp
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Imperial Brass Mfg Co
Johnson Corp
Klipfel Valves Inc
Maurice A Knight Co
Ladish Co, Tri-Clover Div
Leslie Co
Mason-Neilan Div
OPW-Jordan
Penn Controls
Powers Regulator Co
Republic Flow Meters Co
W S Rockwell Co
Schutte & Koerting Co
C E Squires Co
Tube Turns Plastics
Walworth Co

VALVES, DIAPHRAGM CONTROL

Dow Chem Co

American Instrument Co
Annin Co
Associated Valve Co
Atlas Valve Co
Automatic Switch Co
Automotive Rubber Co
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Bryant Industrial Products Corp
Builders-Providence Div
A W Cash Co
Conoflow Corp
Copes-Vulcan Div
George W Dahl Co
Delta Tank Mfg Co
Falls Industries
Farris Flexible Valve Corp
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
Fulton-Sylphon Div
General Controls Co
B F Goodrich Industrial Prod Co, Plastics
Granberg Corp
Grinnell Co
Hammel-Dahl
Hoke, Inc
Johnson Service Co
Leslie Co
Mason-Neilan Div
North American Mfg Co
OPW-Jordan
Parks-Cramer Co
Powers Regulator Co
Republic Flow Meters Co
W S Rockwell Co
C E Squires Co
Walworth Co

VALVES, DRAIN

Airetool Mfg Co
American Instrument Co
Atkomatic Valve Co
Automatic Switch Co
DeZurik Corp
Edward Valves, Inc
Everlasting Valves Co
Imperial Brass Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Lunkenheimer Co
Republic Mfg Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Strahman Valves
Vernon Tool Co
Yarnall-Waring Co

VALVES, ELECTRIC

Airmatic Valve
American Instrument Co
Annin Co
Atkomatic Valve Co
Automatic Switch Co
Barber-Colman Co
Clark-Cooper Co
Conoflow Corp
Consolidated Electrodynamics Corp, Rochester Div
DeZurik Corp
Edward Valves, Inc
General Controls Co
J D Gould Co
Hammel-Dahl
Hanna Engrg Works
Leslie Co
Lunkenheimer Co
Norwood Co
Oilgear Co
C E Squires Co

VALVES, EXCESS FLOW

American Instrument Co
Annin Co
Bristol Co
Chemiquip Co
Coppus Engrg Corp
Foster Engrg Div
Klipfel Valves Inc
C E Squires Co
Stockham Valves & Fittings
Walworth Co

VALVES, FLOAT

Allis-Chalmers Mfg Co
Associated Valve Co
Atlas Valve Co
Clark-Cooper Co
Clayton Mark & Co
Crane Co
Fischer & Porter Co
Foster Engrg Div
Fulton Sylphon Div
Hammel-Dahl
Kaye & MacDonald, Inc
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
Luzerne Rubber Co
Mason-Neilan Div
McDonnell & Miller
H A Phillips & Co
Watts Regulator Co
Western Precipitation Corp

VALVES, GAS REVERSING

►Allied Chem Corp, Semet-Solvay Engrg Div

Annin Co
DeZurik Corp
Gas Machy Co
W-K-M Co

VALVES, GATE

►Allied Chem Corp, Semet-Solvay Engrg Div
D J Murray Mfg Co
►Henry Vogt Mach Co

Alloy Steel Products Co
Ampco Metal
Chase Brass & Copper Co
Copper Alloy Corp
Crane Co
Darling Valve & Mfg Co
DeZurik Corp
Edward Valves, Inc
Electric Steel Foundry Co
Everlasting Valve Co
Fairbanks Co
Gas Machy Co
Gifford-Wood Co
Hamer Valves, Inc
Jeffrey Mfg Co
Kennedy Valve Mfg Co
Link-Belt Co
Lunkenheimer Co
Luzerne Rubber Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Manning, Maxwell & Moore, Inc
Wm Powell Co
Sarco Co
Schutte & Koerting Co
Shand & Jurs Co
Stedman Foundry & Mach Co
Stockham Valves & Fittings
F J Stokes Corp
Velan Steam Specialties
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, GATE, ROTARY

►Fuller Co

Darling Valve & Mfg Co
DeZurik Corp
Manitowoc Shipbuilding, Chem Engrg Service Div
Link-Belt Co
Manning, Maxwell & Moore, Inc

VALVES, GAUGE

Alloy Steel Products Co
American Instrument Co
Associated Valve Co
Crane Co
Edward Valves, Inc
Hoke, Inc
Jerguson Gage & Valve Co
Penberthy Mfg Co
Republic Flow Meters Co
Strahman Valves
Velan Steam Specialties
Walworth Co

VALVES, GLOBE

National Carbon Co Div
►Henry Vogt Mach Co

Airmatic Valve
Alloy Steel Products Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Baber-Colman Co
Black, Sivalls & Bryson
Chase Brass & Copper Co
Conoflow Corp
Copper Alloy Corp
Crane Co
George W Dahl Co
Edward Valves, Inc
Electric Steel Foundry Co
Falls Industries
Frick Co
Fulton Sylphon Div
Grinnell Co
Hoke, Inc
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Lunkenheimer Co
Luzerne Rubber Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
N R C Equipment Corp
Wm Powell Co
Republic Mfg Co
Sarco Co
Schutte & Koerting Co
Stockham Valves & Fittings
Strahman Valves
Velan Steam Specialties
Walworth Co

VALVES, HIGH PRESSURE, CYLINDER

►Henry Vogt Mach Co

American Instrument Co
Annin Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Conoflow Corp
George W Dahl Co
Darling Valve & Mfg Co
Edward Valves, Inc
Foster Engrg Div
Galland-Henning Mfg Co
Hammel-Dahl
Leslie Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Republic Flow Meters Co
Stockham Valves & Fittings
Walworth Co

VALVES, HIGH VACUUM

Dow Chem Co

Airmatic Valve
Alloy Steel Products Co
Annin Co
Applied Radiation Corp
Atkomatic Valve Co
Automatic Switch Co
Consolidated Electrodynamics Corp
Consolidated Electrodynamics Corp, Rochester Div
Crane Co
George W Dahl Co
DeZurik Corp
Durabla Mfg Co
Foster Engrg Div
Fulton Sylphon Div
Hammel-Dahl
N R C Equipment Corp
Wm Powell Co
Arthur F Smith Co
C E Squires Co
Stockham Valves & Fittings
F J Stokes Corp
Walworth Co
Worcester Valve Co

VALVES, JACKETED

Alloy Steel Products Co
American Instrument Co
Annin Co
A W Cash Co
Clarkson Co
Consolidated Electrodynamics Corp, Rochester Div
Copper Alloy Corp
Darling Valve & Mfg Co
Dean Products Inc
J P Devine Mfg Co
DeZurik Corp
Everlasting Valve Co
Hammel-Dahl
Jerguson Gage & Valve Co
Parks-Cramer Co
Wm Powell Co
Rockwell Mfg Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Walworth Co

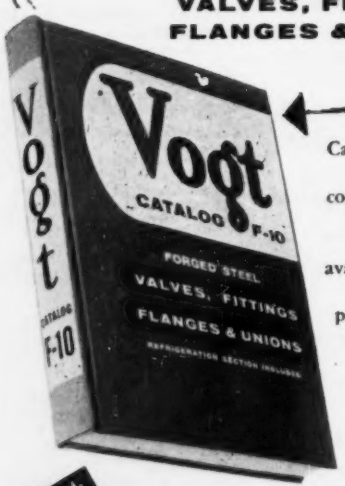
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P. O. Box 1918 Louisville 1, Ky.

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Atlas Valve Co
Black, Sivalls & Bryson
Cameron Iron Works
A W Cash Co
Clark-Cooper Co
Copes-Vulcan Div
Copper-Alloy Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Everlasting Valve Co
Fairbanks Co
Gifford-Wood Co
Grinnell Co
Hills-McCanna Co
Jeffrey Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Klipfel Valves Inc
Leslie Co
Lunkenheimer Co
Mason-Neilan Div
OPW-Jordan
Oilgear Co
Patterson-Kelley Co
Wm Powell Co
Republic Flow Meters Co
W S Rockwell Co
Shand & Jurs Co
C E Squires Co
Stockham Valves & Fittings
Vernon Tool Co
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, LUBRICATED PLUG

American Instrument Co
Hamer Valves, Inc
Imperial Brass Mfg Co
Maurice A Knight Co
Parks-Cramer Co
Wm Powell Co
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
F J Stokes Corp
W-K-M Co
Walworth Co

VALVES, MOTOR OPERATED

►Henry Vogt Mach Co

Allis-Chalmers Mfg Co
Alloy Steel Products Co
American Instrument Co
Annin Co
Associated Valve Co
BIF Industries
Barber-Colman Co
Black, Sivalls & Bryson
Bristol Co
Cameron Iron Works
A W Cash Co
Cochrane Corp
Copes-Vulcan Div
Copper Alloy Corp
Crane Co
Darling Valve & Mfg Co
DeZurik Corp
Eclipse Fuel Engrg Co
Edward Valves, Inc
Electric Steel Foundry Co
Fischer & Porter Co
Foster Engrg Div
Foxboro Co
General Controls Co
Grinnel Co
Hamer Valves, Inc
Hammel-Dahl
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Leslie Co
Lunkenheimer Co
Mason-Neilan Div
North American Mfg Co
Wm Powell Co
Republic Flow Meters Co
Rockwell Mfg Co
W S Rockwell Co
C E Squires Co
Stockham Valves & Fittings
Velan Steam Specialties
W-K-M Co
Walworth Co
Yarnall-Waring Co

VALVES, NEEDLE

►Henry Vogt Mach Co

Alloy Steel Products Co
American Instrument Co
Annin Co
Associated Valve Co
Automatic Switch Co
Chase Brass & Copper Co
Copper Alloy Corp
Crane Co
George W Dahl Co
Edward Valves, Inc
Fairbanks Co
Fulton Sylphon Div
Hammel-Dahl
Hoke, Inc
Imperial Brass Mfg Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Jas P Marsh Corp
Wm Powell Co
Republic Mfg Co
C E Squires Co
Stockham Valves & Fittings
Velan Steam Specialties
Walworth Co

VALVES, NON-LUBRICATED

Alten Foundry & Mach Works
American Instrument Co
Annin Co
Cameron Iron Works
Copper Alloy Corp
Crane Co
DeZurik Corp
Everlasting Valve Co
Grinnell Co
Hamer Valves, Inc
Jordan Corp
S P Kinney Engrs Inc
Lunkenheimer Co
Parks-Cramer Co
Wm Powell Co
Republic Flow Meters Co
Stockham Valves & Fittings
F J Stokes Corp
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, PACKLESS

Fisher Scientific

Annin Co
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Conoflow Corp
Crane Co
George W Dahl Co
Foxboro Co
Fulton Sylphon Div
Galigher Co
J D Gould Co
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Imperial Brass Mfg Co
Johnson Service Co
Leslie Co
Jas P Marsh Corp
OPW-Jordan
Parks-Cramer Co
Wm Powell Co
Powers Regulator Co
Republic Flow Meters Co
Sarco Co
Spence Engrg Co
C E Squires Co
F J Stokes Corp

VALVES, PILOT

Airmatic Valve
American Instrument Co
Annin Co
Atkomatic Valve Co
Atlas Valve Co
Automatic Switch Co
Barksdale Valves
A W Cash Co
George W Dahl Co
Foster Engrg Div
General Controls Co
J D Gould Co
Klipfel Valves Inc
Mason-Neilan Div
OPW-Jordan
Oilgear Co
H A Phillips & Co
Wm Powell Co
Spence Engrg Co
Shand & Jurs Co
C E Squires Co

VALVES, PINCH TYPE

George W Dahl Co
Farris Flexible Valve Corp
Galigher Co
Hammel-Dahl
Mission Mfg Co
Red Jacket Co

VALVES, PISTON OPERATED

►Allied Chem Corp, Semet-Solvay Engrg Div

Airmatic Valve
Annin Co
Atkomatic Valve Co
Atlas Valve Co
BIF Industries
Bailey Meter Co
A W Cash Co
Conoflow Corp
Copes-Vulcan Div
Coppus Engrg Corp
George W Dahl Co
DeZurik Corp
Gas Machy Co
General Controls Co
J D Gould Co
Grinnell Co
Hamer Valves, Inc
Hammel-Dahl
Hills-McCanna Co
Kennedy Valve Mfg Co
Leslie Co
H A Phillips & Co
Republic Mfg Co
Rockwell Mfg Co
Sealol Corp
Spence Engrg Co
C E Squires Co
Strahman Valves
Trane Co
Velan Steam Specialties
W-K-M Co
Walworth Co

VALVES, PLUG

Dow Chem Co
►Henry Vogt Mach Co

Allis-Chalmers Mfg Co
American Instrument Co
Ampco Metal
Annin Co
Cameron Iron Works
Copper Alloy Corp
Crane Co
DeZurik Corp
Falls Industries
General Ceramics Corp
B F Goodrich Industrial Prod Co, Plastics
Hamer Valves, Inc
Imperial Brass Mfg Co
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Maurice A Knight Co
Ladish Co, Tri-Clover Div
Lapp Insulator Co
Lunkenheimer Co
Luzerne Rubber Co
Mission Mfg Co
Parks-Cramer Co
Wm Powell Co
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
Stockham Valves & Fittings
Tube Turns Plastics
Victaulic Co of America
W-K-M Co
Walworth Co

VALVES, PRESSURE REDUCING

Airmatic Valve
Annin Co
Associated Valve Co
Atlas Valve Co
Black, Sivalls & Bryson
Bristol Co
Bryant Industrial Products Corp
A W Cash Co
Cochrane Corp
Conoflow Corp
Copes-Vulcan Div
Crane Co
Delta Tank Mfg Co
Eclipse Fuel Engrg Co
Edward Valves, Inc
Foster Engrg Div
Fulton Sylphon Div
Granberg Corp
Hammel-Dahl
Hoke, Inc
Kaye & MacDonald, Inc
Klipfel Valves Inc
Leslie Co
Mason-Neilan Div
OPW-Jordan
Powers Regulator Co
Republic Flow Meters Co
Schutte & Koerting Co
C E Squires Co
Strong, Carlisle & Hammond
Walworth Co
Watts Regulator Co

VALVES, PRESSURE SEAL

American Instrument Co
Annin Co
Crane Co
Edward Valves, Inc
Wm Powell Co
Republic Flow Meters Co
W-K-M Co
Walworth Co

VALVES, QUICK OPENING

►Allied Chem Corp, Semet-Solvay Engrg Div
Dow Chem Co
D J Murray Mfg Co

Alloy Steel Products Co
American Instrument Co
Annin Co
Atkomatic Valve Co
Automatic Switch Co
Black, Sivalls & Bryson
Cameron Iron Works
A W Cash Co
Conoflow Corp
Copper Alloy Corp
Coppus Engrg Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Durabla Mfg Co
Everlasting Valve Co
Fairbanks Co
Grinnell Co
Hamer Valves, Inc
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Imperial Brass Mfg Co
Jeffrey Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
S P Kinney Engrs Inc
Klipfel Valves Inc
Leslie Co
Lunkenheimer Co
Mission Mfg Co
OPW-Jordan
Patterson-Kelley Co
Wm Powell Co
Rockwell Mfg Co
Schutte & Koerting Co
C E Squires Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Walworth Co
Worcester Valve Co

VALVES, RADIATOR

Barber-Colman Co
Chase Brass & Copper Co
Crane Co
Fairbanks Co
Kennedy Valve Mfg Co
Jas P Marsh Corp
Wm Powell Co
Powers Regulator Co
Walworth Co

VALVES, REDUCING

Airmatic Valve
Allis-Chalmers Mfg Co
Annin Co
Atlas Valve Co
Bailey Meter Co
Black, Sivalls & Bryson
Bristol Co
Brown Instruments Div
Bryant Industrial Products
A W Cash Co
Clark Mfg Co
Conoflow Corp
Copes-Vulcan Div
Crane Co
Eclipse Fuel Engrg Co
Fulton Sylphon Div
Hammel-Dahl
Hoke, Inc
Kaye & MacDonald, Inc
Klipfel Valves Inc
Leslie Co
Mason-Neilan Div
OPW-Jordan
Schutte & Koerting Co
Spence Engrg Co
C E Squires Co
Walworth Co
Watts Regulator Co

VALVES, REGULATING

Allis-Chalmers Mfg Co
Annin Co
Atlas Valve Co
Bailey Meter Co
Barber-Colman Co
Bristol Co
Brown Instruments Div
Bryant Industrial Products Corp
A W Cash Co
Clark Mfg Co
Cochrane Corp
Conoflow Corp
Copes-Vulcan Div
Eclipse Fuel Engrg Co
Edward Valves, Inc
Fischer & Porter Co
Fulton Sylphon Div
Granberg Corp
Hammel-Dahl
Hoke, Inc
Johnson Service Co
Kaye & MacDonald, Inc
Klipfel Valves Inc
Leslie Co
Jas P Marsh Corp
Mason-Neilan Div
Monarch Mfg Works
North American Mfg Co
OPW-Jordan
Powers Regulator Co
Republic Flow Meters Co
Republic Mfg Co
Rockwell Mfg Co
Schutte & Koerting Co
Spence Engrg Co
C E Squires Co
Stockham Valves & Fittings
Strong, Carlisle & Hammond, Steam Specialty Div
Walworth Co
Watts Regulator Co

VALVES, RELIEF

American Car & Foundry Div
American Instrument Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Bryant Industrial Products Corp
Cameron Iron Works
A W Cash Co
Cochrane Corp
Crane Co
George W Dahl Co
Edward Valves, Inc
Electric Steel Foundry Co
Farris Engrg Corp
Hammel-Dahl
Graver Tank & Mfg Co
Hoke, Inc
Klipfel Valves Inc
Ladish Co, Tri-Clover Div
Lapp Insulation Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
Manton-Gaulin Mfg Co
McDonnell & Miller
Milton Roy Co
OPW-Jordan
Oilgear Co
Parks-Cramer Co
Wm Powell Co
Protectoseal Co
Republic Mfg Co
Schutte & Koerting Co
C E Squires Co
Walworth Co
Watts Regulator Co

VALVES, ROTARY AIRLOCK

►Fuller Co
►Kennedy Van Saun Mfg & Engrg Corp

Day Co
Ducon Co
National Conveyor Corp
Prater Pulverizer Corp
Pulverizing Machy Div
Sprout, Waldron & Co
Western Precipitation Corp

See company directory for addresses

►See catalog advertisement (Advertisers Index)

VALVES, SAFETY

American Car & Foundry Div
American Instrument Co
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Coppus Engrg Corp
Eclipse Fuel Engrg Co
Falls Industries
Farris Engrg Corp
Foster Engrg Div
Frick Co
Hammel-Dahl
Lapp Insulator Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
North American Mfg Co
Wm Powell Co
C E Squires Co
Walworth Co
Watts Regulator Co

VALVES, SAMPLING

Alloy Steel Products Co
American Instrument Co
Conoflow Corp
Copper Alloy Corp
Crane Co
George W Dahl Co
Edward Valves, Inc
Fairbanks Co
Jerguson Gage & Valve
Lapp Insulator Co
OPW-Jordan
Wm Powell Co
Republic Flow Meters Co
Stockham Valves & Fittings
Vernon Tool Co
Worcester Valve Co

VALVES, SANITARY

Alloy Products Corp
Automatic Switch Co
Copper Alloy Corp
Edward Valves, Inc
Foxboro Co
Hills-McCanna Co
Kennedy Valve Mfg Co
Ladish Co, Tri-Clover Div
Manton-Gaulin Mfg Co
W S Rockwell Co

VALVES, SHUT-OFF

Airmatic Valve
American Instrument Co
Annin Co
Associated Valve Co
Automatic Switch Co
Barksdale Valves
Bryant Industrial Products
A W Cash Co
Conoflow Corp
Coppus Engrg Corp
Crane Co
George W Dahl Co
DeZurik Corp
Edward Valves, Inc
Everlasting Valve Co
Farris Flexible Valve Corp
Foster Engrg Div
Gallard-Henning Mfg Co
B F Goodrich Industrial Prod Co, Plastics
Imperial Brass Mfg Co
Jerguson Gage & Valve Co
Kennedy Valve Mfg Co
Ladish Co
Lapp Insulator Co
Lunkenheimer Co
Manning, Maxwell & Moore, Inc
North American Mfg Co
OPW-Jordan
Republic Flow Meters Co
W S Rockwell Co
Schutte & Koerting Co
C E Squires Co
Star Tank & Filter Coop
Stockham Valves & Fittings
Velan Steam Specialties
W-K-M Co
Walworth Co
Worcester Valve Co

VALVES, SLURRY

►Fuller Co

Allen-Sherman-Hoff Co
American Instrument Co
Annin Co
Automatic Switch Co
Cameron Iron Works
A W Cash Co
Copper Alloy Corp
Crane Co
George W Dahl Co
DeZurik Corp
Edward Valves, Inc
Everlasting Valve Co
Farris Flexible Valve Corp
Fischer & Porter Co
Galigher Co
Grinnell Co
Hills-McCanna Co
Republic Mfg Co
W S Rockwell Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Walworth Co

VALVES, SOLENOID

Airmatic Valve
American Instrument Co
Atkomatic Valve Co
Automatic Switch Co
Barksdale Valves
Clark-Cooper Co
Consolidated Electrodynamics Corp, Rochester Div
Coppus Engrg Corp
George W Dahl Co
Eclipse Fuel Engrg Co
Electric Auto-Lite Co
Foster Engrg Div
Fulton-Sylphon Div
Galland-Henning Mfg Co
General Controls Co
J D Gould Co
Hammel-Dahl
Hoke, Inc
Johnson Corp
Johnson Service Co
Jas P Marsh Corp
North American Mfg Co
Oilgear Co
Penn Controls
Sarco Co
Stockham Valves & Fittings
Spence Engrg Co

VALVES, SPRAY

Annin Co
Automatic Switch Co
Conoflow Corp
Strahman Valves
Walworth Co

VALVES, STEAM-JACKETED

Alco Products, Inc
Alloy Steel Products Co
American Instrument Co
Annin Co
Black, Sivalls & Bryson
A W Cash Co
Copper Alloy Corp
J P Devine Mfg Co
DeZurik Corp
Edward Valves, Inc
Hammel-Dahl
Jerguson Gage & Valve Co
Parks-Cramer Co
Wm Powell Co
Protectoseal Co
Rockwell Mfg Co
Star Tank & Filter Corp
Stockham Valves & Fittings
W-K-M Co
Walworth Co

VALVES, TOGGLE

Annin Co
George W Dahl Co
Hoke, Inc
Imperial Brass Mfg Co
Wm Powell Co

VALVES, VACUUM

Dow Chem Co
Fisher Scientific

Airmatic Valve
Alloy Steel Products Co
Annin Co
Associated Valve Co
Atkomatic Valve Co
Automatic Switch Co
Bristol Co
Conoflow Corp
Consolidated Electrodynamics Corp
Crane Co
George W Dahl Co
Darling Valve & Mfg Co
DeZurik Corp
Durabla Mfg Co
Foster Engrg Div
Fulton Syiphon Div
Grinnell Co
Hammel-Dahl
Hills-McCanna Co
Hoke, Inc
Imperial Brass Mfg Co
Klipfel Valves Inc
N R C Equipment Corp
Shand & Jurs Co
Arthur F Smith Co
C E Squires Co
Star Tank & Filter Corp
Stockham Valves & Fittings
F J Stokes Corp
Walworth Co
Watts Regulator Co
Worcester Valve Co

VALVES, VENT

American Instrument Co
Annin Co
Black, Sivalls & Bryson
George W Dahl Co
Darling Valve & Mfg Co
Edward Valves, Inc
Jas P Marsh Corp
Protectoseal Co
Shand & Jurs Co
Star Tank & Filter Corp
Walworth Co

VALVES, Y STYLE

Alloy Steel Products Co
Automatic Switch Co
Copper Alloy Corp
Corning Glass Works
Crane Co
Edward Valves, Inc
Electric Steel Foundry Co
Everlasting Valve Co
Hammel-Dahl
Ladish Co, Tri-Clover Div
Lapp Insulator Co
Lunkenheimer Co
Luzerne Rubber Corp
Manning, Maxwell & Moore, Inc
N R C Equipment Corp
Parks-Cramer Co
Wm Powell Co
Star Tank & Filter Corp
Stockham Valves & Fittings
Strahman Valves
Velan Steam Specialties
Walworth Co
Western Supply Co

VAPORIZERS, AMMONIA

Allied Steel Products Corp
Richard M Armstrong Co
Camden Copper Works
Nooter Corp
Southwestern Engrg Co

VAPORIZERS, ANISOLE

Allied Steel Products Corp
Nooter Corp

VAPORIZERS, CHLORINE

Allied Steel Products Corp
Richard M Armstrong Co
BIF Industries
Nooter Corp

VAPORIZERS, DOWTHERM

Allied Steel Products Corp
Artisan Metal Products
Camden Copper Works
Eclipse Fuel Engrg Co
Foster Wheeler Corp
International Boiler Works Co
Nooter Corp

VAPORIZERS, L P GAS

Allied Steel Products Corp
Richard M Armstrong Co
Camden Copper Works
Delta Tank Mfg Co

VAPORIZERS, p-CYMENE

Allied Steel Products Corp
Richard M Armstrong Co
Foster Wheeler Corp
Jeffrey Mfg Co
Nooter Corp

VENTILATING UNITS

Niagara Blower Co

American Standard Industrial Div
Clarage Fan Co
DeBothezat Fans Div
General Blower Co
Hartzell Propeller Fan Co
Hell Process Equipment Corp
International Engrg Inc
Marlo Coil Co
Robbins & Myers
Schori Process Div
South Bend Air Products
Swartwout Co
Young Radiator Co

VENTS, TANK

Air-Maze Corp
Allied Steel Products Corp
Carl N Beetle Plastics Corp
Blaco Mfg Co
Black, Sivalls & Bryson
OPW-Jordan
Protectoseal Co
Shand & Jurs Co
Sharples Corp
C E Squires Co
Wyatt Metal & Boiler Works, Inc

VESSELS, PRESSURE

Pressed Steel Tank Co
Standard Steel Corp
►Henry Vogt Mach Co

Adamson United Co
Alco Products, Inc
Allied Steel Products Corp
Alloy Products Corp
American Car & Foundry Div
American Instrument Co
Ampco Metal
Artisan Metal Products
Automotive Rubber Co
Babcock & Wilcox Co, Boiler Div
Bishopric Products Co
S Blickman, Inc
Boardman Co
Bros, Inc
Buflovak Equipment Div
Camden Copper Works
Chicago Bridge & Iron Co
Colonial Iron Works Co
Combustion Engrg
Continental Boiler & Sheet Iron Works
Delta Tank Mfg Co
J P Devine Mfg Co
Condenser Service & Engrg
Downingtown Iron Works
First Machy Corp
Foster Wheeler Corp
General American Transportation Corp
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
International Boiler Works Co
Kahn & Co
D G Kelley & Co
M W Kellogg Co
Knapp Mills
Leader Iron Works
Manitowoc Shipbuilding, Fabricating Div
Manning & Lewis Engrg Co
McGregor-Michigan Corp
Nooter Corp
Patterson Foundry & Mach Co
Patterson-Kelley Co
Pfaudler Co Div
Pittsburgh-Des Moines Steel Co
Platecoil Div
Edw Renneburg & Sons Co
Claude B Schneible Co
A O Smith Corp
Southwestern Engrg Co
Stainless & Steel Products Co
Stainless Products, Inc
Star Tank & Filter Corp
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
Struthers Wells Corp
Tube Manifold Corp
Vulcan Mfg
C H Wheeler Mfg Co
Wyatt Metal & Boiler Works, Inc

VESSELS, RUBBER LINED

American Hard Rubber Co Div
Automotive Rubber Co
Bishopric Products Co
Buflovak Equipment Div
Chase Chem Corp
Continental Boiler & Sheet Iron Works
J P Devine Mfg Co
Electro Chem Engrg & Mfg Co
Galigher Co
Gates Engrg Co
B F Goodrich Industrial Prod Co, Plastics, Rubber
Goslin-Birmingham Mfg Co
Graver Tank & Mfg Co
Heil Process Equipment Co
Knapp Mills
Luzerne Rubber Co
Manitowoc Shipbuilding, Fabricating Div
McGregor-Michigan Corp
Nooter Corp
Pittsburgh-Des Moines Steel Co
Plastic Applicators
Raybestos-Manhattan
Stearns-Roger Mfg Co
Stover Steel Tank & Mfg Co
United States Stoneware Co
Wyatt's Plastics, Inc

VIBRATORS

Ajax Flexible Coupling Co
Carrier Conveyor Corp
B F Gump Co
Martin Engrg Co
Stephens-Adamson Mfg Co
Syntron Co
W S Tyler Co

VISCOSIMETERS

Fisher Scientific

American Instrument Co
Baroid Div
Bendix Aviation Corp
C W Brabender Instruments
Bristol Co
Brookfield Engrg Lab
Ferranti Elec Inc
Fischer & Porter Co
Foxboro Co
Gaertner Scientific Corp
Gardner Lab
General Elec Co, Apparatus Sales Div
Hallikainen Instruments
Norcross Corp

VOLTMETERS, RECORDING

Barber-Colman Co
Beckman Instruments, Berkeley Div
Bristol Co
General Elec Co, Apparatus Sales Div
La Favorite Rubber Mfg Co

VULCANIZERS

Adamson United Co
Buflovak Equipment Div
J P Devine Mfg Co
Flood City Brass & Electric Co
Graver Tank & Mfg Co

W

WASHERS, AIR

Du Verre, Inc
D J Murray Mfg Co

American Standard Industrial Co
Automotive Rubber Co
Brady Conveyors Corp
Centrifix Corp
Clarage Fan Co
Fly Ash Arrester Corp
Heil Process Equipment Corp
Johnson-March Corp
S P Kinney Engrs Inc
Maurice A Knight Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Marlo Coil Co
National Conveyor Corp
Parks-Cramer Co
Popper & Sons
Claude B Schneible Co
Surface Combustion Corp
Trane Co
Western Precipitation Corp
Wheelabrator Corp

WASHERS, BOTTLE

American Sterilizer Co
Ogden Filter Co
Popper & Sons

WASHERS, DRUM

Allis-Chalmers Mfg Co
Detrex Chem Industries
Lippmann Engrg Works
Komline-Sanderson Engrg Corp

WASHERS, FUME

Allied Steel Products Corp
Automotive Rubber Co
Centrifix Corp
Ducon Co
Fly Ash Arrestor Corp
Heil Process Equipment Corp
Johnson-March Corp
Maurice A Knight Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Western Precipitation Corp
Wheelabrator Corp
Whiting Corp

WASHERS, GAS

►Allied Chem Corp, Semet-Solvay Engrg Corp
Fisher Scientific

Allied Steel Products Corp
Automotive Rubber Co
Centrifix Corp
Ducon Co
Fly Ash Arrestor Corp
Heil Process Equipment Corp
Johnson-March Corp
Maurice A Knight Co
Manitowoc Shipbuilding, Chem Engrg Service Div
McGregor-Michigan Corp
Western Precipitation Corp

WASHERS, HIGH PRESSURE JET

John Bean Div
Clayton Mfg Co
J C Corrigan Co
Gray Co
Manitowoc Shipbuilding, Chem Engrg Service Div
Western Precipitation Corp

WATER ANALYZING EQUIPMENT

Fisher Scientific

Allis-Chalmers Mfg Co
Elgin Softener Corp
Hallikainen Instruments
Industrial Instruments Inc
Milton Roy Co
Permutit Co
W A Taylor & Co
Wallace & Tiernan Inc

WATER COOLING EQUIPMENT

Croll-Reynolds Co
Spraying Systems Co

Acme Industries
Alco Products
Dean Products Inc
DeLaval Separator Co
Kaye & MacDonald, Inc
Lilie-Hoffman Cooling Towers
Marley Co
Marlo Coil Co
Edw Renneburg & Sons Co
Trane Co
Whiting Corp
Wurster & Sanger
York Corp
Young Radiator Co

WATER PRESSURE SYSTEMS

Aurora Pump Div
Crowell Designs
Fairbanks, Morse & Co
C E Squires Co

WATER PURIFICATION APPARATUS & EQUIPMENT

Barnebey-Cheney Co
Illinois Water Treatment Co

Alco Products
Allis-Chalmers Mfg Co
American Sterilizer Co
American Water Softener Co
American Well Works
BIF Industries
Barnstead Still & Sterilizer Co
Bio-Rad Labs
Bird Mach Co
Chem-Pure Service Co
Cochrane Corp
Dorr-Oliver, Inc
Elgin Softener Corp
Everpure, Inc
Fischer & Porter Co
Foxboro Co
Graver Water Conditioning Co
Infilco, Inc
Jeffrey Mfg Co
Kutlir Labs
Lapp Insulator Co
Los Angeles Water Softener Co
Link-Belt Co
Norton Co
Ogden Filter Co
Permutit Co
Ronningen-Petter Co
Selas Corp of America
Syntron Co
Wallace & Tiernan Inc

WEIGHING MACHINES

BIF Industries
Barnstead Still & Sterilizer Co
Consolidated Packaging Machy Corp
Exact Weight Scale Co
FMC Packaging Machy Div
B F Gump Co
Richardson Scale Co
Seederer-Kolbusch
Stephens-Adamson Mfg Co
Syntron Co
Thayer Scale Corp
Toledo Scale
Torsion Balance Co
Wallace & Tiernan Inc
Weighing & Control Components

WELDING APPARATUS

►Metal & Thermit Corp

Air Products, Inc; Industrial & Medical Gas Div
Crucible Steel Co of America
D & R Plastic Welders
Frazier & Son
K-G Equipment Co
Lincoln Elec Co
Linde Co
National Cylinder Gas Div
Worthington Corp

WELLS, THERMOCOUPLE

National Carbon Co Div

Barber-Colman Co
Bristol Co
Brown Instruments Div
Foxboro Co
Illinois Testing Labs
Leeds & Northrup Co
Nooter Corp
Manning, Maxwell & Moore, Inc
Thermal American Fused Quartz
Thermo Elec Co
Trinity Equipment Corp
West Instrument Corp

WINCHES, CABLE

Electro-Lift, Inc
Jeffrey Mfg Co
Link-Belt Co
Robbins & Myers
Stephens-Adamson Mfg Co
Yale & Towne Mfg Co

WIRE, CORROSION-RESISTING

Allegheny Ludlum Steel Corp
American Brass Co
Ampco Metal
J Bishop & Co Platinum Works
Bridgeport Brass Co
Crucible Steel Co of America
Carpenter Steel Co
Engelhard Industries
Haynes Stellite Co
International Nickel Co
Knapp Mills
L Frank Markel & Sons
Republic Steel Corp
J A Samuel & Co
Techalloy Co

WIRE, MESH

Bridgeport Brass Co
Cambridge Wire Cloth
Chase Brass & Copper Co
Colorado Fuel & Iron Corp
Ludlow-Saylor Wire Cloth Co
Metal Textile Corp
Michigan Wire Cloth Co
Newark Wire Cloth Co
J A Samuel & Co
Southwestern Engrg Co
W S Tyler Co
Unique Wire Weaving Co
Wickwire Spencer Steel Div

WIRE, RESISTANCE

Allegheny Ludlum Steel Corp
American Brass Co
J Bishop & Co Platinum Works
Engelhard Industries
Heatron, Inc
Hoskins Mfg Co
J A Samuel & Co
Techalloy Co

WIRE, THERMOCOUPLE

J Bishop & Co Platinum Works
Barber-Colman Co
Bristol Co
Brown Instruments Div
Engelhard Industries
Hoskins Mfg Co
Illinois Testing Labs
Leeds & Northrup Co
Pyrometer Instrument Co
J A Samuel & Co
A O Smith Corp
E C Smith Mfg Co
Thermo Elec Co
West Instrument Corp

WIRE, WELDING

►Metal & Thermit Corp

American Brass Co
American Brazing Alloys Co
Ampco Metal
Arcos Corp
Bridgeport Brass Co
Crucible Steel Co of America
Dalweld Co
International Nickel Co
National Cylinder Gas Div
Okonite Co
Techalloy Co
Wickwire Spencer Steel Div

WIRE COVERING, CHEMICAL RESISTANT

L Frank Markel & Sons
Okonite Co
Sparta Mfg Co

WIRE COVERING HEAT RESISTANT

L Frank Markel & Sons
Sparta Mg Co

WOOL, ROCK

Johns-Manville

Eagle-Picher Co

X

X-RAY APPARATUS

Applied Radiation Corp
Applied Research Labs
General Elec Co, X-Ray Dept

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See company directory for addresses ►See catalog advertisement (Advertisers Index)

EQUIPMENT TRADENAMES

Tradenames consisting of numbers alone will be found at the beginning of the alphabetical section under which the tradename might ordinarily be found if it were spelled out. Example: "7"—Located at the beginning of the section under "S".

A

A-1: Large capacity jaw crusher—Allis-Chalmers Mfg Co
ABSOLUTE: Air filters—Cambridge Filter Corp
ACAP: Pumps—Allis-Chalmers Mfg Co
ACF VALVES: Products—W-K-M Co
ACL: Pyro-processing system—Allis-Chalmers Mfg Co
AF: Closures & capseals—AMERICAN FLANGE & MFG Co
AFCO: Fittings, pipe—Alloy Flange & Fitting Corp
AG: Chains, roller—Link-Belt Co
API: Chains, SS type—LinkBelt Co
ASCO: Products—Automatic Switch Co
ATC: Industrial control instruments—Automatic Timing & Controls, Inc
A-Z: Cable glove boxes—Babcock & Wilcox Co, Tubular Products Div
ABRASOWELD: Arc welding—Lincoln Elec Co
ACCELAPAK: Treating plants—Infilco Inc
ACCELATOR: Treating plants—Infilco Inc
ACCELATOR HOT-FLOW: Softeners—Infilco Inc
ACCELO: Filters—Infilco Inc
ACCELO-BIOX: Liquid treating plants—Infilco Inc
ACCELO HI-CAP: Filter underdrain tile—Infilco Inc
ACCRITEM: Regulators, thermostatic—Powers Regulator Co
ACCUMATIC: Lubrication systems—Alemite Div
ACCUMUTE: Lubrication system—Alemite Div
ACE: Pipe, hard rubber, rubber lined—American Hard Rubber Co
ACE-FLEX: Tank linings—American Hard Rubber Co
ACE-HIDE: Rubber-plastic pails—American Hard Rubber Co
ACE-ITE: Pipe, plastic—American Hard Rubber Co
ACE RIVICLOR: Vinyl pipe & fittings—American Hard Rubber Co
ACE-TEMPRON: Hard rubber pipe & fittings—American Hard Rubber Co
ACIDSIL: Silicate base mortar—Maurice A Knight Co
ACRA-MENT: Thickness gauges—Sealol Corp
ADAMS: Centrifuges & counters—Clay-Adams
ADD WEAR: Arc welding electrodes—National Cylinder Gas Div
ADJUST-A-LIP: Products—Kelly Co
ADJUSTEX: Products—Allis-Chalmers Mfg Co
ADJUST-ANGLE: Industrial thermometer—Weksler Instruments Corp
ADSORBIT: Carbon, activated—BARNEBEY-CHENEY CO
ADSTAY: Filter materials—Hilliard Corp
AERISWELD: Arc welding electrode—Lincoln Elec Co
AERO: Products—National-US Radiator Corp
AERO-ACCELATOR: Liquid treating plants—Infilco Inc
AEROCOR: Arc welding electrodes—Arcos Corp
AEROLAG: Thermal insulation—JOHNS-MANVILLE
AEROMASTER: Cooling Fans—Koppers Co
AEROPOISE: Products—Link-Belt Co
AEROSOLVE: Products—Cambridge Filter Corp
AEROTUBE: Tubular insulation—JOHNS-MANVILLE
AERO-VIBE: Vibrating screens—Allis-Chalmers Mfg Co
AGF: Furnaces, kilns, burners—American Gas Furnaces Co
AIRETROL: Products—Airetool Mfg Co
AIR TUMBLER: Wet type dust collector—Dust Suppression & Engrg Co
►AIR-FLOAT: Air gravity conveyor—Kennedy Van Saun Mfg & Engrg Co
AIRFLOW: Goggles—United States Safety Service Co
AIRFLEX: Couplings, shaft, flexible—Falk Corp
AIR-GRIP: Clutches, air—Dodge Mfg Corp
AIRLESS BLAST: Cleaning unit—Pangborn Corp
►AIRMERG: Blending systems—Fuller Co
AIR-METER: Anemometer—Hastings-Raydist
AIR-O-LINE: Pneumatic controllers—Brown Instruments Div
AIROMETRIC: Pumps, volume, controlled—Milton Roy Co
AIR-PAK-MASKS: Self contained breathing equipment—Scott Aviation Corp
AIR-PULSATED: Products—Link-Belt Co
AIRSET: Roller mills—Allis-Chalmers Mfg Co
AIRSLIDE: Covered hopper car—General American Transportation Corp
►AIRSLIDE: Fluidizing conveyors—Fuller Co
AIRSTREAM CONVEYOR: Pneumatic conveyors—Dracco Div
AIR-TEC: Liquid leak detector—American Gas & Chems
►AIRVEYOR: Pneumatic conveyors—Fuller Co
ADJUST-O-FILM: Thin-film processing units—Konto Co
AJUSTO-SPEDE: Adjustable speed drives, AC—Louis Allis Co
AKRON: Water treatment—Allis-Chalmers Mfg Co
ALCOTWIN: Heat exchangers; Tubing, finned—Alco Products, Inc
ALECTRA: Portable test instruments—Consolidated Electrodynamics Corp
ALEMITE: Lubrication fittings, systems, equipment—Stewart-Warner Corp
ALKACID: pH test paper—FISHER SCIENTIFIC
ALL CHEM: Self-priming rotary pump—Eco Engrg Co
ALLEGHENY: Steels, stainless—Allegheny Ludlum Steel Corp
ALLISITE: Abrasion resistant iron alloy—Allis-Chalmers Mfg Co
ALL-MOTOR: Reducers, motorized—Falk Corp
ALNOR: Products—Illinois Testing Labs
ALLNYL: Nylon sling webbing—Russell Mfg Co
ALL PURPOSE: Gas masks—Acme Protection Equipment Co
ALL SERVICE, ALL VISION: Gas masks—Mine Safety Appliances
ALOYCO: Stainless steel vales—Alloy Steel Products Co
ALPHA: Hand pumps; Lubricators—Lunkenheimer Co
ALPHA-DRAGON: Paint remover—C E Squires Co
ALPHA-TIGER: Rust inhibitor—C E Squires Co
ALPHATRON: Gauges, vacuum—N R C Equipment Corp
ALSEN: Oil cups—Lunkenheimer Co
ALUMAR: Welding wire—Arcos Corp
ALUMEL: Thermocouple wire—Hoskins Mfg Co
ALUMEND: Arc welding electrodes—Arcos Corp
ALUMIN-NU: Cleaners & polish, metal—Nu Steel Co
ALUMINWELD: Arc welding electrodes—Lincoln Elec Co
ALUM-O-TOP: Products—Chase Brass & Copper Co
ALUNDUM: Abrasives, grinding wheels, refractories—Norton Co
ALVOR: Oil controls—Lunkenheimer Co
AMBALLOY: Steel—A M Byers Co
AMBRALOY: Copper & aluminum alloys—American Brass Co
AMERCOAT: Protective coatings—Amercoat Corp
AMERICAN: Disc filter—Dorr-Oliver, Inc
AMERICAN-MARSH: Pumps—American-Marsh Pumps
AMER-PLATE: Vinyl sheet linings—Amercoat Corp
AMESTREAM GENERATOR: Boilers, fire tube—Ames Iron Works
AMINCO: Laboratory apparatus & supplies—American Instrument Co
AMINCO-AIRE: Environmental test cabinet—American Instrument Co
AMPCO-BRAZ: Gas filler rods—Ampco Metal
AMPCOLOY: Commercial bronzes—Ampco Metal
AMPCO-TRODE: Aluminum bronze weldrod—Ampco Metal
AMPCO-WELD: Resistance welding products—Ampco Metal
AMPLITROL: Temperature controllers—Thermo Elec Mfg Co
AMPLI-SPEED: Magnetic drive—Electric Machy Mfg Co
AMSCO: Products—American Sterilizer Co
ANACONDA: Products—American Brass Co
ANCHOR: Machines, capping—Anchor Hocking Glass Corp
ANCHORGLASS: Bottles & containers, glass—Anchor Hocking Glass Corp
ANEX: Exchangers—Infilco Inc
ANEXER: Ion exchange plants—Infilco Inc
ANOTEC: Aluminum grating—Klemp Metal Grating Corp
ANTHRAFILY: Filters—Anthracite Filter Corp
ANTI-FRICTION: Idlers, belt conveyor—Link-Belt Co
ANTIOCH PROCESS: Aluminum castings—Morris Bean & Co
APCO: Pumps—Aurora Pump Div
AQUACOOLER: Cooling tower—Marley Co
AQUADAM: Roofing—JOHNS-MANVILLE
AQUATOWER: Cooling tower—Marley Co
AQUAVACTOR: Steam jet ejectors—CROSS-REYNOLDS CO
ARC-LOC: Products—United States Gauge Div
ARGONARC: Arc welding products—National Cylinder Gas Div
ARLCITE: High density ceramic linings—Patterson Foundry & Mach Co
ARMORED MULTITUBE: Flexible armored tubes—Crescent Insulated Wire & Cable Co
ARMORTUBE: Tubing, pneumatic—Bailey Meter Co
ARROW TANKS: Mood tanks—Arrow Tank Co
ART: Non-ferrous convectors—National-US Radiator Corp
ASBESTOCEL: Pipe & block insulation — JOHNS-MANVILLE
ASBESTOMENT: Refractory material—JOHNS MANVILLE
ASBESTOS EBONY: Panels, control, electrical—JOHNS-MANVILLE
ASBESTO-SPONGE: Pipe & block insulation—JOHNS-MANVILLE
ASHCROFT: Products—Manning Maxwell & Moore, Inc
ASHVEYOR: Products—Brady Conveyors Corp
ASSAY: Jar mills—Paul O Abbe
ATCOTRAN: Transducers—Automatic Timing & Controls, Inc
ATCOTRONIC: Electronic timers—Automatic Timing & Controls, Inc
ATLAS BALLS: Products—S K F Industries
ATLAS VALVE: Steam jacketed gate valve—Alco Products, Inc
ATOMUFFLER: Silencers, air exhaust—Allied Witan Co
ATMO-CARB: Electric furnaces—L & L Mfg Co
ATMO-GEN: Products—Hevi-Duty Elec Co
AUDIGAGE: Ultrasonic thickness gauges—Branson Instruments, Inc
AUGERS: Farm machinery—Link-Belt Co
AUPETTE: Automatic pipetting device—Clay-Adams
AURORA: Pumps, centrifugal—AURORA PUMP DIV
AUTEMP: Hot plates—FISHER SCIENTIFIC
AUTO-BRIK: Products—Posey Iron Works
AUTO-KLEAN: Filters—Cuno Engrg Corp
AUTO-LITE: Products—Electric Auto-Lite Co
AUTOMATIC SERVOMONITOR: Products—Baird-Atomic, Inc
AUTOMUFFLER: Air exhaust muffler—Allied Witan Co
AUTOREF: Baths, constant temperature—Thermo Elec Co
AUTO-STOP: Petroleum meters—Neptune Meter Co
AUTO WEIGHTON: Products—Thayer Scale Corp
AUTRONIC: Process control systems—Swartwout Co
AXIVANE: Blowers & fans—Joy Mfg Co

B

B: Chains, balance—Link-Belt Co
BA: Products—Baird-Atomic, Inc
BA: Scalper vibrating screens—Link-Belt Co
BS: Foundry products—Link-Belt Co
B&W: Products—Babcock & Wilcox Co, Boiler Div
B&W 80: Firebrick—Babcock & Wilcox Co, Refractories Div
B&W ALLMUL: Firebrick—Babcock & Wilcox Co, Refractories Div
B&W JUNIOR: Firebrick—Babcock & Wilcox Co, Refractories Div
B&W K-16, K-20, K-23, K-26, K-28 & K-30: Insulating firebrick—Babcock & Wilcox Co, Refractories Div
B&W KAOCAST: Castables, refractory—Babcock & Wilcox Co, Refractories Div
B&W KAOCRETE: Castables, refractory—Babcock & Wilcox Co, Refractories Div
B&W KAOLITE: Castables, refractory—Babcock & Wilcox Co, Refractories Div
B&W KAOWOOL: Fiber, refractory—Babcock & Wilcox Co, Refractories Div
B&W KROMECAST: Castables, refractory—Babcock & Wilcox Co, Refractories Div
BACILLI: Jar mills—Paul O Abbe
BAILEY BOILER METER: Meters, boiler—Bailey Meter Co
BAILEY WATER-COOLED FURNACE WALL: Boilers, water tube—Babcock & Wilcox Co, Boiler Div
BAKELITE: Vinyl plastic silos—Union Carbide Plastics Co
BALL PEB: Grinding mills—Allis-Chalmers Mfg Co
BANNER: Lubricators—Lunkenheimer Co
BANROC: Pipe & block insulation—JOHNS-MANVILLE
BANTAM: Welding & cutting torches—National Cylinder Gas Div
BANTAM: Bulk & liquid level indicator—Bin-Dicator Co
BASA: Hammers—Greene, Tweed & Co
BASOLIT: Cements—Nukem Products Corp
BASSICK: Casters—Stewart-Warner Corp
BECKERLOY: Weights, precision—Torsion Balance Co
BEMAC: Brushless A-C generators—Electric Machy Mfg Co
BENDIX PYGMY: Electrical connectors—Scintilla Div
BENFLEX: Electrical connectors—Scintilla Div
BENSEAL: Cable assemblies—Scintilla Div
BENTUBE: Evaporators—Griscom-Russell Co
BERKEFELD: Sterile filter candles—Filtros Inc
BETH-TEC: Heat transfer system—Bethlehem Foundry & Mach Co
BIFURCATOR: Duct fan—De Bothezat Fans Div
BIMETALLIC: Steam traps—Velan Steam Specialties
BIN-DICATOR: Indicators, bin level—Bin-Dicator Co
BIN-FLO: Aerators—Bin-Dicator Co
BIOGEN: Products—American Sterilizer Co
BIOSORPTION: Activated sludge plants—Infilco Inc
BIRD-HUMBOLDT: Dryers, centrifugal—Bird Mach Co
BIRD-PRAYON: Pan type vacuum filters—Bird Mach Co
BIRD-YOUNG: Drum vacuum filters—Bird Mach Co

BITAN: Leather packings—Garlock Packing Co
BLACK MAGIC: Activated carbon, filter—BARNEBEY-CHENEY CO
BLAKITE: Mortars, high temperature — JOHNS-MANVILLE
BLAST-MASTER: Products—Clayton Mfg Co
BLAZECRETE: Refractories—JOHNS-MANVILLE
BLO-DEFLECTOR: Blow-off valves—Manning, Maxwell, & Moore, Inc
BLUE DYNE: Nonacid electrolyte—NEIRAD INDUSTRIES, Inc
BOILEEZERS: Products—FISHER SCIENTIFIC
BONATE: Plastics, reinforced—Carl N Beetle Plastics Corp
►BONDED: Regular & reinforced sealing tapes —Gilman Paper Co
BONDSTRAND: Fiberglass pipe—Amercoat Corp
BONNIE SCOT: Products—National-US Radiator Corp
BOSUN: Lubricator—Wm Powell Co
BRACKETMASTER: Products—Marman Div
BREAKSTONE: Fire extinguishers—M L Snyder & Co
BREECH-LOCK: Cast steel gate valves—Lunkenheimer Co
BREW-BRITE: Paper, filter—Eaton-Dikeman Co
BRUNTON: Weights, analytical—Wm Ainsworth & Sons
BUDA: Equipment products—Allis-Chalmers Mfg Co
BUDGIT: Hoists—Manning, Maxwell, & Moore, Inc
BUFFALO: Waste disposal unit—Buffalo Hammer Mill Corp
BUFLOKAST: Iron alloy—Buflovak Equipment Div
BUFLOWELD: Products—Buflovak Equipment Div
BULK-FLO: Elevators; Conveyors; Feeders—Link-Belt Co
BULLNECK: Grease fittings—Lincoln Engrg Co
BURGESS: Dry batteries—Burgess Battery Co
BYLOY: Alloy Steel—A M Byers Co

C

C: Chains—Link-Belt Co
CA: Screens, vibrating & peeling tables—Link-Belt Co
CB: Vibrating screens—Link-Belt Co
CC PUMP: Pumps—Clark-Cooper Co
C-D-C: Products—ANSULCHEM Co
CF & I: Products—Wickwire Spencer Steel Div
CL: Products—Link-Belt Co
CM CONTACTOR: Mixing columns—MIXING EQUIPMENT CO
CABLE-TITE: Cable connector—National Cylinder Gas Div
CALOBAR: Filter lens—American Optical Co
CAMCO: Stainless & forged steel fittings—Camco Fittings, Inc
CAPEM: Screw capping machinery—Consolidated Packaging Machy Corp
CAPITOLAIRE: Furnaces; Air conditioning—National-US Radiator Corp
CARBANALYZER: Products—FISHER SCIENTIFIC
CARBOHM: Furnace atmosphere carbon detector—Leeds & Northrup Co
CARBO-HYDROGEN: Welding fuel gas—National Cylinder Gas Div
CARBOLON: Abrasives, refractory grains—Exolon Co
CARBOLOY: Cemented tungsten carbide—General Elec Co, Metallurgical Products Dept
CARBOLUBE: Mechanical carbon parts—Carbone Corp
CARD FLAT: Chains—Link-Belt Co
►CARPENTER AIRLITE: Fiber drum—Grief Bros Cooperage Corp
►CARPENTER LO-RIM: Fiber drum — Grief Bros Cooperage Corp
CARRIER NATURAL FREQUENCY: Vibrating conveyors & processing equipment—Carrier Conveyor Corp
CARRYALL: Welding equipment rack—National Cylinder Gas Div
CARQUAKE: Car shaking products—Stephens-Adamson Mfg Co
CAR SHAKERS: Unloaders, railroad cars—Link-Belt Co
CAR SPOTTERS: Movers, railroad cars—Link-Belt Co
CAR-TYPE: Conveyors—Link-Belt Co
CASTALOY: Lab hardware—FISHER SCIENTIFIC
CAS-TO-FIT: Castable refractory—Robinson Clay Product Co
CAT: Earthmoving equipment—Caterpillar Tractor Co
CATERPILLAR: Earthmoving equipment — Caterpillar Tractor Co
CATEX: Exchangers—Infilco Inc
CATEXER: Ion exchange plants—Infilco Inc
CAVITATOR: Products—Yeomans Bros Co
CAUSUL: Metal gate valves & cocks—Lunkenheimer Co
CEC: Electronic instruments—Consolidated Electrodynamics Corp
CELITE: Filter aids—JOHNS-MANVILLE
CELLU-FLO: Asbestos—Cellulo Co
CELLULO CARBAC: Asbestos filter sheet—Cellulo Co
CELLULO HI STRENGTH: Products—Cellulo Co
CELLULO LO-CA: Products—Cellulo Co
CELLU-QUIN: Products—Darworth, Inc, Chem Products Div
CELLU-SAN: Products—Darworth, Inc, Chem Products Div
CEM-REM: Coatings, protective—Speco, Inc
CENCO: Products—Central States Paper & Bag Co
CENCORAP: Paperbags—Central States Paper & Bag Co
CENTRAVAC: Watercoolers—Trane Co
CENTRI CHEM: Pumps, centrifugal—Eco Engrg Co
CENTRILATOR: Power roof ventilator—Clarage Fan Co
CENTRIMAX: Flow meter—Leeds & Northrup Co
CENTRIPAC: Packings, asbestos—JOHNS-MANVILLE
CENTR-O-LUBER: Lubricating systems, central—Lincoln Engrg Co Div
CENTR-O-MATIC: Lubricating systems, central—Lincoln Engrg Co Div
CENTR-O-OILER: Lubricating systems, central—Lincoln Engrg Co Div
CERAMICAST: Steel casting process—Lebanon Steel Foundry
CERAMICITE: High temperature coatings—Consolidated Electrodynamics Corp
CERAMO: Wire, thermocouple—Thermo Elec Co
CERTIFIED: Fermenters—Stainless & Steel Products Co
CERTIFIED CLIMATE: Air conditioning equipment—Parks-Cramer Co
CESCO: Products—Conveyors & Dumpers, Inc
CHABELCO: Steel chains—Chain Belt Co
CHAMET: Products—Chase Brass & Copper Co
CHARGOMATIC: Emergency lighting—Electric Cord Co
CHEMI-FILTER: Water demineralizer—Kutlir Labs
CHEM-JET: Dust control systems—Johnson-March Corp
CHEMOX: Products—Mine Safety Appliances
CHEMPAC: Packings, asbestos—JOHNS-MANVILLE
CHEMPUMP: Products—Chempump Corp
CHEM-REM: Coatings, protective—Speco, Inc
CHEMSTONE: Table tops, laboratory—JOHNS-MANVILLE
CHEVRON: V-type packings—Garlock Packing Co
CHIKSAN: Joints—Chiksan Co
CHILLVACTOR: Refrigeration, jet, steam—CROLL-REYNOLDS CO
CHLOREXTOL: Insulating liquid—Allis-Chalmers Mfg Co
CHLORINET: Hypochlorinator—Wallace & Tiernan Inc
CHORE BOY: Shop trucks & tractors—Allis-Chalmers Mfg Co
CHRISTIAN BECKER: Analytical balances & weights—Torsion Balance Co
CHROMALOX: Electric heaters—Edwin L Wieg and Co
CHROMASOID: Phenolic base resin—Fred H Schaub Engrg Co
CHROMEL: Assistance & thermocouple wire—Hoskins Mfg Co
CHROMENAR: Welding wire—Arcos Corp
CHROMEND: Arc welding electrodes—Arcos Corp
CHROMOMAX: Chromatographic apparatus—Leeds & Northrup Co
CINCINNATUS: Double arm mixers—J H DAY CO DIV
CIRCLE: Sifters—Allis-Chalmers Mfg Co
CIRCLE-CHILL: Roller mill rolls—Allis-Chalmers Mfg Co
CIRC-O-THERM: Lab ovens—Hevi-Duty Elec Co
CIRCULAR CARRIER: Conveyors—Link-Belt Co
CIRCULINE: Collectors, sludge—Link-Belt Co
CLARCO: Unit heater—Clarage Fan Co
CLARIFIERS: Sludge removers—Link-Belt Co
CLARITE: Pre-coat filters—Croll-Reynolds Engrg Co
CLARK-COOPER: Valves—Clark-Cooper Co
CLAYMONT: Fabricated steel plate—Wickwire Spencer Steel Div
CLAYTON KERRICK: Machines, cleaning, steam—Clayton Mfg Co
CLAYTON-SELLERS JET: Products—Clayton Mfg Co
CLEAN-AIR: Products—Nash Engrg Co
CLEAN-FLO: Textile fan cooled enclosed motor—Louis Allis Co
CLEAN LINE: Heating units—Hevi-Duty Elec Co
CLEAR VISION: Indicators, sight flow—Wurster & Sanger
CLECO: Pneumatic tools & accessories—Reed Roller Bit Co
CLEVELAND TRAMRAIL: Cranes, hoists—Cleveland Crane & Engrg Co
CLIMATE-LAB: Environmental test cabinet—American Instrument Co
COAL-PAK AUTOMATIC: Water tube boilers—International Boiler Works Co
COBURN: Conveyors, overhead trade—Wickwire Spencer Steel Div
COHRLASTIC: Silicone rubber products—Connecticut Hard Rubber Co
COILMOUNT: Conveyors, oscillating—Link-Belt Co
COLAFLEX: Diffusers—Infilco Inc
COLD PLATES: Plates for cooling foods—Dean Products, Inc
COLMONOY: Alloys, hard facing—Wall Colmonoy Corp
COLORBESTOS: Roofing & siding—JOHNS-MANVILLE
COLORLITH: Table tops laboratory—JOHNS-MANVILLE
COLOR-PORT: Gauges, liquid level—Yarnall-Waring Co
COMBAX: Combustion boats—FISHER SCIENTIFIC
COM-BIN: Feeders—PULVA CORP
COMFO: Products—Mine Safety Appliances
COMFORTLINE: Baseboard—National-US Radiator Corp
COMFORT-SHIELD: Welding apparatus—Lincoln Elec Co
COMMANDER: Trucks, platform—Fairbanks Co
COMPACTROL: Miniature electronic controllers—Victory Engrg Corp
COMPACUNIT: Products—Warren Pumps
COMPAK: Water tube boilers—International Boiler Works Co
COMPEB: Grinding mills—Allis-Chalmers Mfg Co
COMPOUND MR: Products—Johnson-March Corp
COMPOUND SP: Protective coatings—Johnson-March Corp
CONAFORM: Dryers, vacuum—Patterson Foundry & Mach Co
CONCAVEX: Grinding media—Allis-Chalmers Mfg Co
CONDOR: V-belts, tubing—Ravbestos-Manhattan
CONNECTITE: Impregnated felt seals—American Felt Co
CONOSEAL: Joint—Marman Div
CONSOLIDATED: Safety valves—Manning, Maxwell & Moore, Inc
CONSTAMETRIC: Feeders, continuous flow; Pumps—Milton Roy Co
CON-TAC-TOR: Mercury switches—Micro Switch Div
CONVACTOR: Condensing & recovery tower—CROLL-REYNOLDS CO
CONVECTAIR: Products—Selas Corp of America
CONVECTIONEERED: Ovens—W W Sly Mfg Co
COOLTONG: Welding apparatus—Lincoln Elec Co
COPEL: Resistor wire—Hoskins Mfg Co
COP-O-TOP: Products—Chase Brass & Copper Co
CORDON: Circuit breakers—I-T-E Circuit Breaker Co
CORDUROY: Filter cloth—W S Tyler Co
CORESITE: Acid resisting cement—Maurice A Knight Co
CORVEL: Coating powders—Polymer Corp
CORVIC: Bronze rods—Chase Brass & Copper Co
COUNTER-ROTATING MIXER: High-speed lab mixer—Brookfield Engrg Labs
CRESCENT: Chains, conveyor—Link-Belt Co
CRESCENT ARMORED MULTITUBE: Armored tubing—Crescent Insulated Wire & Cable Co
CREST: Water meters—Neptune Meter Co
CROLOY: Tubing, pipe, fittings—Babcox & Wilcox Co, Tubular Products Div
CROWN: Bonding mortar—Robinson Clay Product Co
CRUXITE: Hardened safety lens—American Optical Co
CRYOTHEM: Gas sterilizers—American Sterilizer Co
CRYOXIDE: Products—American Sterilizer Co
CRYSTAL-VAK: Evaporators—Buflovak Equipment Div
CRYSTOLON: Abrasives, grinding wheels, refractories—Norton Co
CUBITAINER: Plastic container—Hedwin Corp
CUMPAC: Ring packings—JOHNS-MANVILLE
CUPRINOL: Products—Darworth, Inc Chem Products Div
CUPRONAR: Welding wire—Arcos Corp
CURRENTROL: Remote current control—Lincoln Elec Co
CUTNO: Self-lubricating packing—Greene, Tweed & Co
CUT-O-MATIC: Flame cutters—National Cylinder Gas Div
CYCLATOR: Clarification plants—Infilco Inc
CYCLOMATIC: Products—American Sterilizer Co
CYCLONAIRE: Fume scrubbers—United States Stoneware Co
CYCLOTHERM: Products—National-U.S. Radiator Corp
CYCLO-TRELL: Dust collectors—Research-Cottrell, Inc
CYLFEBS: Grinding media—F L Smidth & Co

D

D & DE: Bearings, roller—Link-Belt Co
DS: Take-ups, elevators, conveyors—Link-Belt Co
DU: Ultraviolet spectrophotometer—Beckman Instruments, Scientific & Process Instruments Div
DACOR: Activated carbon filter—BARNEBEY-CHENEY CO
DALLETT: Pneumatic accessories—Reed Roller Bit Co
DAMPFOIL: Paints—Inertol Co
DAM-TITE: Coatings, protective—Speco, Inc
DARCOVA: Pumcups—Darling Valve & Mfg Co
DATAGRAPH: Direct writing oscillographs—Consolidated Electrodynamics Corp
DATARITE: Direct writing oscillographs—Consolidated Electrodynamics Corp
DATATAPE: Recorders, tape, magnetic—Consolidated Electrodynamics Corp
DICENTEGRATOR: Crushers—Simplicity Engrg Co
DEBOTHEZAT BIFURCATOR: Fume removal fans—Debothezat Fans Div
DEBOTHEZAT HY-V AIR JETS: Portable fans—Debothezat Fans Div
DEBOTHEZAT POWER-FLOW: Roof ventilating units—Debothezat Fans Div
DECATRON: Cathode counting tube—Baird-Atomic, Inc
DEEP-BEADED: Products—Link-Belt Co
DEEP-FAN: Conveyors, apron—Link-Belt Co
DEFENSE LIGHT: Emergency lighting—Electric Cord Co
DEHYDRO-MAT: Products—Edw Renneburg & Sons Co
DEKORON-COATED: Tubing, metallic conduit, steel—Republic Steel Corp, Steel & Tubes Div
DELPARK: Micronic filters—Commercial Filters Corp
DELTA BLU-BLAZE: Products—Delta Tank Mfg Co
DELTA DRYEX UNIT: Recovery units—Delta Tank Mfg Co
DELTA MIX-O-GAS: LP-gas tanks—Delta Tank Mfg Co
DEMI: Products—George W Dahl Co
DENEL: Fluorescent lamp guards—Electric Cord Co
DENSITROL: Density controls—Precision Thermometer & Instrument Co
DEODORITE: Activated carbon—BARNEBEY-CHENEY CO
DESICOTE: Water repellant for pH electrodes—Beckman Instruments, Scientific & Process Divs
DESICOOLER: Desiccators—FISHER SCIENTIFIC
DESIGUARD: Desiccator shields—FISHER SCIENTIFIC
DESIPLATE: Desiccator plates—FISHER SCIENTIFIC
DETECT-A-FIRE: Products—Fenwal, Inc
DETREX: Cleaners, metal; Degreasers—Detrex Chem Industries
DETROITER: Products—Detroit Hoist & Mach Co
DEWPOINTER: Dewpoint measuring device—Illinois Testing Labs
DEXTER: Products—Leavitt Mach Co
DIABESTOS: Diatomite filteraids—Great Lakes Carbon Corp, Dicalite Dept
DIAMOND: Diaphragm valves—Imperial Brass Mfg Co
DIAMOND ALLOY: Pumps—Pettibone Mulliken Corp
DIAMOND D: Clutches, friction—Dodge Mfg Corp
DIATRON: Mass spectrometer source—Consolidated Electrodynamics Corp
DICALITE: Products—Great Lakes Carbon Corp, Dicalite Dept
DIDYMIUM NOVIWELDS: Welding plate & lens—American Optical Co
DIGIDIAL: Digital turns-counting dials—Beckman Instruments, Helipot Div
DIMETCOTE: Coatings, protective—Amercoat Corp
DISPERSION: Double arm mixers—J H DAY CO DIV
DOCK: Carriers—Link-Belt Co
DORRCLONE: Liquid cyclones—Dorr-Oliver Inc
DOUBLE ARROW: Products—Link-Belt Co
DOUBLE-DUTY: Wheels, sprockets—Link-Belt Co
DOUBLE-FLOW: Cooling tower—Marley Co
DOUBLE-FLOW AQUATOWERS: Cooling towers—Marley Co
DOUBLENGTH: Vitrified clay pipe—Evans Pipe Co
DOUBLEX: Asbestos paper—JOHNS-MANVILLE
DOUBLE PITCH: Chains, roller—Link-Belt Co
DOUBLETON: Multistage pumps—Allis Chalmers Mfg Co

DRAGPEB: Pulverizer linings—F L Smidth & Co
DRAIN-DRI: Bilge pump—Yeomans Bros Co
DRAINTROL: Traps, steam—Fred H Schaub Engrg Co
DRAW BENCH: Chains—Link-Belt Co
DRAYER-HANSON: Air conditioning; refrigeration—American-US Radiator Corp
DREDNAUT: Products—American Optical Co
DRUMPAK: Corrugated containers—Gaylord Container Corp
DRUMPAKET: Corrugated containers—Gaylord Container Corp
DRY-EX: Chillers; coolers, air & brine—Acme Industries
DRYEX: Hydrocarbon recovery process—Delta Tank Mfg Co
DRY-FLO: Products—General American Transportation Corp
DUAFUEL: Dual fuel engines—Nordberg Mfg Co
DUALAIRE: Dust collector—Western Precipitation Corp
DUAL-FLOW: Water screens—Link-Belt Co
DUAL-HOSE: Welding hose—National Cylinder Gas Div
DUALINE: Lubrication systems—Farval Corp
DUALSTREAM: Products—ANSUL CHEM CO
DUB-L-PLUS: Dual connectors—Superior Elec Co
DUCTILEND: Arc welding electrodes—Arcos Corp
DUODIAL: Turns-counting dial—Beckman Instruments, Helipot Div
DUO EQUALIZING: Joints, expansion—Zallea Bros
DUO-MATIC: Regulators, temperature—Leslie Co
DUPLEX: Chain drives—Link-Belt Co
DUPLEX: Tubes—Bridgeport Brass Co
DURABLAST: Abrasives—W W Sly Mfg Co
DURADIANT: Burners, gas—Selas Corp of America
DURAGAUGE: Pressure gauges—Manning, Maxwell & Moore, Inc
DURAGLAS: Containers, glass—Owens-Illinois Glass Co
DURA HOOKS: Packing tools—Durametallic Corp
DURALITE: Chippers goggle—American Optical Co
DUR-LOY: Free-bolting cloth—W S Tyler Co
DURA PLASTIC: Plastic packings—Durametallic Corp
DURA SEAL: Mechanical seals—Durametallic Corp
DURASTAN: Wheels—Rapids-Standard Co
DURA TEMP: Heat fans—General Blower Co
DURAWELD: Welders' goggle—American Optical Co
DURO: Blow-off valves—Lunkenheimer Co
DUROBAR: Products—Chain Belt Co
DUSTFUE: Products—Mine Safety Appliances
DUSTONATIC FILTER: Dust collectors & filters—Dracco Div
DUSTUBE: Products—Wheelabrator Corp
DUTCH BRAND: Cements & tapes—JOHNS-MANVILLE
DUXSEAL: Sealing compound—JOHNS-MANVILLE
DYNA-BAR: Electric furnaces—L & L Mfg Co
DYNA-CATH: Electrolytic analyzers—Eberbach Corp
DYNACLONE: Dust collectors; Dust control systems—W W Sly Mfg Co
DYNACURVE: Induced draft fan—Clarage Fan Co
DYNAFOIL: Products—Clarage Fan Co
DYNAGLUV: Plastic coated canton flannel—Granet Corp
DYNAGRIP: Plastic coated jersey—Granet Corp
DYNAMASTER: Self-balancing resistance bridge—Bristol Co
DYNA-TROL: Electric furnaces—L & L Mfg Co
DYNA-V: Products—Dodge Mfg Corp

E

800 CLASS: Chains—Link-Belt Co
1100 CLASS: Chains—Link-Belt Co
E-D: Filter paper—Eaton-Dikeman Co
EG: Filling machines—F M C Packaging Machy Div
EHCL: Electric filter press closing device—D R Sperry & Co
ES: Products—Eastern Stainless Steel Corp
E-Z: Counters, uncounters—Link-Belt Co
EZ-UP: Drum carts & hangars—Hodgson Equipment Co
EAGLE: Self-priming centrifugals—Gorman-Rupp Co
EAR DEFENDERS: Products—Mine Safety Appliances
EASE: Analog computers—Beckman Instruments, Berkeley Div
EASY-FLO: Alloys, silver blazing—Handy & Harman
ECLIPSE: Products—Eclipse Fuel Engrg Co
ECONOBANK: Peak refrigeration loads—Dean Products, Inc
ECONO-MISER: Products—Worcester Valve Co
ECONOMITE: Burners, gas—Mid-Continent Metal Products Co
ECONO-MIZER: Cooling towers—Acme Industries
ECONOMY: Dust filter—W W Sly Mfg Co

►ECONOMY: Fibre drum—Greif Bros Cooperage Corp

ELASTIK: Expansion joint compounds—Nukem Products Corp
ELECTRIK TEL-O-SET: Miniature electronic instruments—Brown Instruments Div
ELECTRI-CAND: Pumps—Allis-Chalmers Mfg Co
ELECTRIFUGAL: Pumping units—Allis-Chalmers Mfg Co
ELECTRO-CHEMOGRAPH: Polarograph—Leeds & Northrup Co
ELECTRO-CLUTCH: Electro-magnetic clutches—I-T-E Circuit Breaker Co
ELECTRO-COOLER: Cooling system for transformers—Allis-Chalmers Mfg Co
ELECTROFLUID DRIVES: Products—Link-Belt Co
ELECTRO-O-LINE: Electric control—Brown Instruments Div
ELECTROMAX: Signaling controller—Leeds & Northrup Co
ELECTRONIK: Potentimetric instruments—Brown Instruments Div
ELECTROPODE: Products—FISHER SCIENTIFIC
ELECTRO-PORTIONER: Liquid filler & dispenser— C W Logeman Co
ELECTR-O-PULSE: Time proportioning control—Brown Instruments Div
ELECTROSYN: Control systems—Norwood Controls
ELECTRO-VAPOR: Kettles—Buflovak Equipment Div
ELECTRUNITE: Tubing, carbon & stainless—Republic Steel Corp, Steel & Tubes Div
ELPAR: Industrial truck line—Elwell-Parker Elec Co
EMPIRE: High duty firebrick—A P Green Fire Brick Co
ENCO: Products—Engineer Co
ENDURO: Tubing & pipe, stainless—Republic Steel Corp, Steel & Tubes Div
EPPENBACH: Homogenizing equipment—Gifford-Wood Co
EPUT: Events per unit time meters—Beckman Instruments, Berkeley Div
EQUA-THERM: Hi-temp oven—American Instrument Co
EQUISEAL: Pump-stuffing boxes—Allis-Chalmers Mfg Co
ERKO-FOAM: Polyurethane foam insulation—Earl Paint Corp
ERKOTE: Mastics and coatings—Earl Paint Corp
ERP CATHODIC PROTECTION: Cathodic protection—Wallace & Tiernan Inc
EVA: Thermal imaging camera—Baird-Atomic, Inc
EVABRITE: Mirrors—Semon Bache & Co
EVACTOR: Ejectors, jet, steam—CROLL-REYNOLDS CO
EVALAST: Mirrors—Semon Bache & Co
EVAPOR-ION: Getter-ion pump—Consolidated Electrodynamics Corp
EVERDUR: Products—American Brass Co
EVERY ANGLE: Products—Manning, Maxwell & Moore, Inc
EWART: Chains, detachable—Link-Belt Co
EXACTOL: Tube bender—Parker Hannifin Corp
EXALGAE: Algaecide—Inertol Co
EXCEL-SO: Products—Warner-Lewis Co
EXIDE-IRON CLAD, LIGHTGUARD, MANCHEX, POWER-CLAD, TYTEX: Products—Exide Industrial Div
EXOLON-FUSED, MAGNETIC, VIBRATING: Products—Exolon Co
EXPELSOR: Pneumatic ejector—Yeomans Bros Co
EXPLOSIMETER: Products—Mine Safety Appliances
EXTENDOVEYOR: Belt conveyor—Standard Conveyor Co
EXTRA-STRENGTH: Vitrified clay pipe—Robinson Clay Product Co

F

500 CLASS: Chains—Link-Belt Co
400 CLASS: Chains—Link-Belt Co
4D: Electric trucks—Raymond Corp
4200: Diatomite filteraids—Great Lakes Carbon Corp, Dicalite Dept
FABRICOR: Arc welding electrodes—Arcos Corp
FACEWELD: Arc welding electrodes—Lincoln Elec Co
FAIRMOUNT: Anvil crushers—Allis-Chalmers Mfg Co
FALCON: Detectors, horns & alarms—Falcon Alarm Co
FANMIX: Gas burners—Coppus Engrg Corp
FAN-PA: Farm ventilator—DeBothezat Fans Div
FANSTEEL: Acid proof tantalum equipment—Fansteel Metallurgical Corp
FARLITE: Laminate plastics—Farley & Loetscher Mfg Co
FAST-FLO: Air-powered transfer pumps—Gray Co
FAULTLESS: Conveyor belts—Link-Belt Co
FAVORITE: Wrenches—Greene, Tweed Co
FEINC: Products—FILTRATION ENGRS
FELTAN: Microporous rubber—American Felt Co
FERRENEWO: Valves—Lunkenheimer Co
FERROJET: Powder cutting process & equipment—National Cylinder Gas Div
FERROWELD: Arc welding electrodes—Lincoln Elec Co
FERROLOK: Fittings, tubing—Parker-Hannifin Corp
FEUTRON: Synthetic fiber felts—American Felt Co
FIBRA-FLO: Filter aids—JOHNS-MANVILLE
FIBROCEL: Insulation, pipe—JOHNS-MANVILLE
FILTER-CEL: Filter aids—JOHNS-MANVILLE
FILTERWELD: Welding plate & lens—American Optical Co
FILTRATOR: Filter aids—FISHER SCIENTIFIC
FILTROS 35: Porcelain diaphragms—Filtros, Inc
FINE FYBER FELT: Duct insulation—Baldwin-Hill Co
FIN-FAN: Air-cooled heat exchangers—Griscom-Russell Co
FIRECRETE: Castables, refractory—JOHNS-MANVILLE
FIREITE: Fire proof cements—JOHNS-MANVILLE
FIRE-KING: Heat-resisting glass bowls—Anchor Hocking Glass Corp
FISHER RECORDALL: Recorders—FISHER SCIENTIFIC
FISHER-SNELLING HOT SPOTTER: Heaters—FISHER SCIENTIFIC
FITGO: Electronic preamplifiers—Beckman Instruments, Systems Div
FITS-ONS: Protective glasses—American Optical Co
FLAGMASTER: Products—Marman Div
FLAME-PULSE: Combustion controls—General Controls Co
FLANCO: Flange type couplings—Anchor Coupling Co
FLASH-FLO: Plugs—Hammel-Dahl
FLAT TOP: Chains, conveyor—Link-Belt Co
FLEET-START: Aircraft starting unit—Lincoln Elec Co
FLEETWELD: Arc welding electrodes—Lincoln Elec Co
FLEETWELDER: Welding apparatus—Lincoln Elec Co
FLEX: Tube fittings—Imperial Brass Mfg Co
FLEXAFRAME: Frame supports—FISHER SCIENTIFIC
FLEXAZONE: Air conditioning—National-US Radiator Corp
FLEXIDYNE: Drives & couplings, fluid—Dodge Mfg Corp
FLEXIFORMER: Transformers—Superior Elec Co
FLEXIPIPE: Nyprene ventilation tubing—Bemis Bros Bag Co
FLEXI-SPEED: Variable speed drives—Reeves Pulley Co Div
FLEXITE: Extruded tubing—L Frank Markel & Sons
FLEXLEAD: Insulated lead wire—L Frank Markel & Sons
FLEXMASTER: Products—Marman Div
FLEXMOUNT: Conveyors, oscillating—Link-Belt Co
FLEXODISC: Expansion joints—Croll Reynolds Engrg Co
FLEXOLEED: Expansion joint—Croll Reynolds Engrg Co
FLEXOLITH: Filter media and diaphragms—Filtros Inc
FLEX-O-MATIC: Air coupler—Lincoln Engrg Co Div
FLEXON: Hose; Bellows; Expansion joints—Flexonic Corp
FLEX-O-TUBE: Synthetic hose—Flexonics Corp
FLEXOVEYOR: Loaders & conveyors—Flexoveyor Mfg Co
FLEXPAK: Products—Hinde & Dauch Div
FLEXSTONE: Roofing—JOHNS-MANVILLE
FLEXTOOTH: Crushers—Jeffrey Mfg Co
FLICK: Separators, entrainment & centrifugal—Wurster & Sanger
FLINT-CAST: Castable refractory—Robinson Clay Product Co
FLINTEX: Fire brick—Robinson Clay Product Co
FLINT-PATCH: Plastic fire brick—Robinson Clay Product Co
FLINT-RIM: Wheels, sprocket—Link-Belt Co
FLITE-FLOW: Valves—Edward Valves, Inc
FLOAT-SINK: Concentrators, coal ore—Link-Belt Co
FLO-CLEAR: Filters—Filtros, Inc
FLOCONTROL: Valves—Manning, Maxwell & Moore, Inc
FLOCTROL: Products—Jeffrey Mfg Co
FLO-KLEAN: Filters—Cuno Engrg Corp
FLO-LINE: Valves, solenoid—Hanna Engrg Works
FLOMIX: Continuous flow pipe line mixing—New England Tank & Tower Co
FLOORLINE: Baseboard—National-US Radiator Corp
FLOORMASTER: Floor trucks—Lewis-Shepard Products
FLOORSTEEL: Products—Klempetal Grating Corp
FLOORVEYOR: Floor-veyor—Rapids-Standard Co
FLO-PILOT: Pilot valves—Hanna Engrg Works
FLORWEAR: Chemical-resistant coating—Inertol Co
FLO-SCOPE: Indicators, flow rates, air, gas—Selas Corp of America
FLO-SET: Flow control valves—Hanna Engrg Works
FLO-VEYOR: Products—Brady Conveyors Corp
FLOW-COLD: Oil coolers; Refrigerating equipment—Acme Industries
FLOWLINE: Fittings; Flanges—Welding Fittings Corp
FLOW-MIZER: Spray cooling towers—Acme Industries
FLOW-RACK: Storage racks—Rapids-Standard Co
FLOWRATOR: Flowmeter—Fischer & Porter Co
FLOWRITE: Valve, diaphragm control—Powers Regulator Co
FLOW-TEMP: Air conditioning equipment—Acme Industries
FLOW-THERM: Water cooling equipment—Acme Industries
FLUID DRIVES: Products—Link-Belt Co
FLUID GEAR DRIVES: Products—Link-Belt Co
FLUOREX: Purifiers—Infilco Inc

►FLUOROFLEX-T: Tubes, jacketing, bellows—Resistoflex Corp

FLUOROSTINT TFE: Moulded parts—Polymer Corp
FLUOSOLIDS: Calciner—Dorr-Oliver, Inc
FLUXO: Bag packers—F L Smidth Co
FOAMGLAS: Insulations—Pittsburgh Corning Corp
FOAM-ROOFS: Floating roofs—NEIRAD INDUSTRIES, INC
FOAMSIL: Insulating material—Pittsburgh Corning Corp
FOB-FREE: Products—Industrial Products Co
FOSTORIA: Ovens, infrared—Fostoria Pressed Steel Corp
FOUNDROMATIC: Shakeouts & core ovens—Allis-Chalmers Mfg Co
FRAHM: Frequency meters; Tachometers—James G Biddle Co
FREE-VANE: Controllers—Bristol Co
FREEZE PROTECTOR: Drains—Velan Steam Specialties
FRIGIDAIRE: Products—General Motors Corp
FROG-LEG: Windings, DC—Allis-Chalmers Mfg Co
FROSTLINE: Ammonia & refrigeration gauges—United States Gauge Div
FULFLO: Filters—Commercial Filters Corp

►FULLER-FLUID: Conveyors—Fuller Co

►FULLER-HUMBOLDT: Preheater—Fuller Co

►FULLER-KINYON: Conveying systems—Fuller Co

FULL-FLOW: Engine jacket water coolers—Young Radiator Co
FULL VISION: Facepieces for gas masks—Acme Protection Equipment Co
FULTORK: Lab stirring motors—FISHER SCIENTIFIC
FYRE-FREE: Fire resistant clothing—American Optical Co
FYRE-FREEZ: Fire Extinguishers—Walter Kidde & Co
FYRINDEX: Fire detectors—Kidde Ultrasonic & Detection Alarms
FYRESTAN: Thermocouple protection tube—Leeds & Northrup Co

G

G-23, 26: Insulating firebrick—A P Green Fire Brick Co
GE: Products—General Elec Co
G-FIN: Tubing—Griscom-Russell Co
GL: Chains—Link-Belt Co
G-T RING: Molded packaging—Greene Tweed & Co
GAMAL: Products—FISHER SCIENTIFIC
GARB-EL: Waste disposal units—Buffalo Hammer Mill Corp

GARDSMAN: Controls, temperature—West Instrument Corp
GASARC: Arc welding equipment—National Cylinder Gas Div
GASCOPE, GASFOE: Products—Mine Safety Appliances
GAS JET: Aerosol chargers—Karl Kieper Mach Co
GASKATEX: Gasket compound—JOHNS-MANVILLE
GASK-O-SEAL: Rubber gaskets—Parker-Hannifin Corp
GAS-TITE: Seating rings—National Cylinder Gas Div
GATX: Tank cars—General American Transportation Corp
GAULIN: Pumps: Colloid mills—Manton Gaulin Mfg Co
GEARCHEM: Self-priming rotary gear pump—Eco Engrg Co
GEARED: Couplings, shaft—Link-Belt Co
GEAREDUCERS: Fan speed reducing equipment—Marley Co
GEARMOTORS: Products—Link-Belt Co
GEM: Grease cups—Lunkenheimer Co
GENTILE: Flow tubes—Foster Engrg Corp
GIANT: Gate valves—Wm Powell Co
GIANT: Cutting machines—TAYLOR, STILES & CO
GLOBESEAL: Products—Aeroquip Corp
GLUEMASTER: Products—Kenneth J Moore & Co
GO GETTER: Trucks, industrial—Revolvator Co
GOLD SEAL: Laboratory glassware—Clay-Adams
GONDOLA: Dumpers, car—Link-Belt Co
GOTHAM: Recorders, controllers & thermometers—United States Gauge Div
GRAB-IT: Gloves, rubber—Edmont Mfg Co
GRADIATION: High-thermal-head heating equipment—Selas Corp of America
GRADUMATIC: Humidifying systems—Parks-Cramer Co
GRADUVAC: Humidifying systems—Parks-Cramer Co
GRAIN: Car unloader—Link-Belt Co
GRAINVAYOR: Pneumatic conveyor—Myers Sherman Co
GRAM-ATIC: Balances—FISHER SCIENTIFIC
GRANCO: Pumps & meters—Granberg Corp
GRANECON: Plastic coated jersey—Granet Corp
GRANETGRIP: Rubber coated canton flannel—Granet Corp
GRANFLEX: Plastic coated canton flannel—Granet Corp
GRAPHANODE: Graphite anodes—Stackpole Carbon Co
GRAPHITON: Impervious graphite—Carbone Corp
GRAPPLER: Gloves, plastic—Edmont Mfg Co
GRATE: Products—Eriez Mfg Co
GRAVEX: Resins, ion-exchange—Graver Water Conditioning Co
GRAVITY: Spiral chutes—Standard Conveyor Co
GREASE-OFF: Products—Darworth, Inc, Chem Products Div
GREENCAST GUN MIX: High strength castable—A P Green Fire Brick Co
GREEN STOP-OFF: Flow regulator, brazing alloys—Wall Colmonoy Corp
GREY-ROCK: Materials, friction—Raybestos-Manhattan
GRID: Products—D J MURRAY MFG CO
GRIDUCATOR: Comminutors—Infilco Inc
GRIZZLY-KING: Jaw crushers—Lippmann Engrg Works
►GRUDEX: Rotary kiln preheater—Kennedy Van Saun Mfg & Engrg Co
GRYPHON: Electric motors—Brook Motor Corp
GUARDI-ANN: Products—Industrial Products Co
GUARDIAN: Gaskets—Garlock Packing Co
GUN-PAKT: Expansion joints—Yarnell-Waring Co
GUSHER 8356, 8357, 8381, 8382, 8384, 8393, 8415: Pumps—Ruthman Machy Co
GYRO-CENTRIC: Screens—Patterson Foundry & Mach Co
GYRO-FLO: Compressor, portable—Ingersoll-Rand Co
GYROSET: Products—Productive Equipment Corp.
GYROSOLVER: Rotating shakers—FISHER SCIENTIFIC

H

H: Chains, elevating, conveying—Link-Belt Co
H20: Pumps, volume, controlled—Milton Roy Co
HC: Horizontal coolers—Young Radiator Co
HS: Buckets, elevator—Link-Belt Co
"H" SERIES: Face shields—American Optical Co
HAISS: Products—Pettibone Mulliken Corp
HALO FACE SHIELD: Plastic face shield—United States Safety Service Co
HALUM: Coatings, protective—Speco, Inc
HAMILTON: Casters & wheels; Trucks—Hamilton Caster & Mfg Co
HAMMEL-DAHL: Valves—General Controls Co
HANCOCK: Valves—Manning, Maxwell & Moore, Inc
HANDIBELT: Portable belt—Standard Conveyor Co
HANDIDRIVE: Roller & belt conveyor units—Standard Conveyor Co
HANDIPILER: Portable belt conveyor—Standard Conveyor Co
HANDRAULIC: Hand-operated filter press closing device—D R SPERRY & CO
HANDY: Gate valves—Lunkenheimer Co
HANDY ALUMIBRAZE: Brazing alloys—Handy & Harman
HANDY FLUX: Brazing fluxes—Handy & Harman
HANDY HI-TEMP BRAZING ALLOYS: Brazing alloys—Handy & Harman
HANDY HI-TEMP FLUX: Brazing fluxes—Handy & Harman
HANDYMAN: Products—Clayton Mfg Co
HASCROME: Iron-base hard facing rods—Haynes Stellite Co Div
HASTELLOY: Corrosion-resistant nickel-base alloys—Haynes Stellite Co Div
HAWK: Self-priming centrifugals—Gordon-Rupp Co
HAYNES: Alloys—Haynes Stellite Co Div
HAYNES STELLITE: Cobalt-base alloys—Haynes Stellite Co Div
HAYSTELLITE: Tungsten-carbide hard-facing products—Haynes Stellite Co Div
HEAT PROVER: Gas analysis apparatus—Bailey Meter Co
HEAT-REM: Coatings, protective—Speco, Inc
HEAT-REM H-170: Coatings, protective—Speco, Inc
HEAVY-MEDIA: Coal cleaning products—Link-Belt Co
HEDLINER: Plastic drum liner—Hedwin Corp
HEILASTIC: Products—Heil Process Equipment Corp
HEILEX: Plastic coating & lining—Heil Process Equipment Corp
HELICOID: Conveyors—Link-Belt Co
HELIDEL: Delay lines—Beckman Instruments, Helipot Div
HELIPOT: Precision potentiometers—Beckman Instruments, Helipot Div
HELLITE: Refractories—JOHNS-MANVILLE
HESS-BRIGHT: Products—SKF Industries
HEVI-DUTY BOX: Products—Hinde & Dauch Div
HEX-TEX: Double V-belt for rotating shafts—Allis-Chalmers Mfg Co
HEX-TOP: Cups, grease—Link-Belt Co
HEXTEEL: Products—Klemp Metal Grating Corp
HIBURST: Products—Anchor Coupling Co
HI-CONE: Aerator—Yeomans Bros Co
HI-DENSITY: Feeders—Allis-Chalmers Mfg Co
HI-DUTY: Fittings & cutters, tube; Tools—Imperial Brass Mfg Co
HI-EF: Purifiers—V D Anderson Co
HI-FLOW: Water reducing valve—Leslie Co
HIGH VISIBILITY: Welding lens—Lincoln Elec Co
HILCO: Oil & liquid filters—Hilliard Corp
HI-LIFT: Elevators—Hapman Conveyors
HILITE, HILPAK, HILTEX: Filter materials—Hilliard Corp
HI-LO: Adjustable dockboards—Kelley Co
HI-LO GRAPH: Liquid level recorders—Yarnell-Waring Co
HI-POWR: Separators, magnetic—Eriez Mfg Co
HI-SEAL: Tube fittings—Imperial Brass Mfg Co
HI-SPEED: Products—Baughmann Mfg Co
HI-THRUPUT MIST ELIMINATORS: Wire mesh entrainment separator—Metal Textile Corp
HI-TURBIANT: Heaters—Western Precipitation Corp
HI-VI: Vibratory equipment, magnetic—Eriez Mfg Co
HI-WEIGH: Scales—Toledo Scale
HOEPNER: Scales, automatic—Consolidated Packaging Machy Corp
HOLLOSHAFT: Pump motor—United States Elec Motors
HOLO-FLITE: Processors—Western Precipitation Corp
HOMO, HOMOCARB: Furnace—Leeds & Northrup Co
HOMOCORD: Belts, conveyor—Raybestos-Manhattan
HOMOFLEX: Hose, conveyor belts—Raybestos-Manhattan
HONAN CRANE: Micronic filters—Commercial Filters Corp
HOPACO: Asbestos sheet packing—Hollow Center Packing Co
HORTONSPHEROID: Vessels, pressure—Chicago Bridge & Iron Co
HOT JET: Plastic welding torch—D & R Plastic Welders
HOZE-LOK: Fittings, hydraulic hose—Parker-Hannafin Corp
HUM-I-DRI: Dehumidifiers—Speco, Inc
HUMIDOLAIN: Porous porcelain—Star Porcelain Co
HUM-MER: Electric screens—W S Tyler Co
HUMP: Furnaces—Leeds & Northrup Co
HUSKIE: Industrial tractor—Mercury Mfg Co
HYDRAMOTOR: Valves, motor operated—General Controls Co
HYDRASONIC: Machines, cleaning—Detrex Chem Industries
HYDRAULIC LIFT: Products—Ballymore Co
HYDREX: Liquid screens—Hewitt-Robins
HYDRO: Products—Clayton Mfg Co
HYDROCONE: Crushers—Allis-Chalmers Mfg Co
HYDRO-FINISH: Products—Pangborn Corp
HYDROGUARD: Thermostatic water mixers—Powers Regulator Co
HYDROJET: Hydraulic materials handling systems—Allen-Sherman-Hoff Co
HYDRO-KLOSER: Hydraulic closing mechanism—T Shriver & Co
HYDROLAIR: Hydraulic presses—Elmes Engrg Div
HYDRO-PAC: Underwater masks—Scott Aviation Corp
HYDROPURE: Catalytic gas purifying devices—National Cylinder Gas Div
HYDRO-SCAVANGER: Products—Whittington Pump & Engrg Corp
HYDROSEAL: Materials handling pump—Allen-Sherman-Hoff Co
HYDROSET: Crusher mechanism—Allis-Chalmers Mfg Co
HYDRO-SHEAVE: Fluid coupling—Twin Disc Clutch Co
HYDROVAC: Pneumatic materials handling systems—Allen-Sherman-Hoff Co
HYDRYER: Dehydrators & gas dryers—J F Pritchard & Co of Cal
HYER API: Chains, SS type—Link-Belt Co
HYFLO: Filter aids—JOHNS-MANVILLE
HYGE: Products—Consolidated Electrodynamics Corp
HYGRADE: Fabric base tubing—L Frank Markel & Sons
HYGROL: Air conditioning equipment — NIAGARA BLOWER CO
HYGROSTAT: Humidity regulator—Parks-Cramer Co
HYPERBO: Burners, gas—Mid-Continent Metal Products Co
HYPTOR: Joints, expansion—Zallea Bros
HY-R-SPEED: Dispersion mills—J H DAY CO DIV
HY-SOL: Insulation, pipe & tubing—Houghton Labs
HYTAC: Products—Oilgear Co
HYTORK: Synchronous motors—Allis-Chalmers Mfg Co
HY-V AIR JET: Products—DeBothezat Fans Div

I

ICE CRUSHER SLINGERS: Products—Link-Belt Co
ICE SLINGERS: Too icing, cars, trucks—Link-Belt Co
IDEAL: Grease cups—Lunkenheimer Co
IDEAL: Tubes, expanders & cutters—Gustav Wiedeke Co
IDEALARC: Welder—Lincoln Elec Co
ILLCO-MATIC: Valves & ion-exchange equipment—ILLINOIS WATER TREATMENT CO
ILLCO-WAY: Ion exchangers—ILLINOIS WATER TREATMENT CO
IMPERIAL: Double arm mixers—J H DAY CO DIV
IMPERVITE: Graphite—Falls Industries
IMPULSE: Steamtraps—Yarnell-Waring Co
INCH-MARKED: Electrical conduit—Republic Steel Corp, Steel & Tubes Div
INCINOMITE: Burners, gas—Mid-Continent Metal Products Co
INCO: Products—International Nickel Co
INCO-WELD A: Welding electrodes—International Nickel Co
INDEPENDENTS: Sight feed lubricators—Lunkenheimer Co
INDOX: Magnetic pulleys—Stearns Magnetic Products
INDUBOND: Linings—Chase Chem Corp
INERTOL PRIMER 621, 622, 623, 625, 626: Paints—Inertol Co
INERTOL TYPE S: Paint—Inertol Co
INFRA-REDIATOR: Heaters—FISHER SCIENTIFIC
IN LINE HELICAL GEAR DRIVES: Products—Link-Belt Co
INNERSHIELD: Welding apparatus—Lincoln Elec Co
INSTRUMOUNT: Products—Eberbach Corp
INSULBOND: Protective coatings—Chase Chem Corp
INSULKOTE: Protective-coatings—JOHNS-MANVILLE
INSULPAK: Products—Hinde & Dauch
INTALOX: Packing, saddle—United States Stoneware Co
INTERLOCKED: Asbestos packing—JOHNS-MANVILLE
INTERNAL: Elevators, bucket—Link-Belt Co
INTERNATIONAL: Disk filters—Infilco Inc
INTERNATIONAL LA MONT: Watertube boilers—International Boiler Works Co
INTERWOVEN: Self-lubricating packing—Greene, Tweed & Co
INTRU-LOK: Fittings, tubing—Parker-Hannafin Corp
INVOLUTE: Spray nozzles—Yarnell-Waring Co
IOLYTE: Laminates, fiberglass, resin-bonded — Schori Process Div
IONXCHANGE: Resins & equipment—ILLINOIS WATER TREATMENT CO
IPCO: Safety equipment—Industrial Products Co
IRENEW: Iron globe angle & check valves—Wm Powell Co
IRONG GRIP: Shelving—Equipto
ISATRON: Mass spectrometer source—Consolidated Electrodynamics Corp
ISOTEMP: Temperature controlling apparatus—FISHER SCIENTIFIC

J

JBAS: Treating plants—Infilco Inc
JPS: Blocks, pillow, ball bearing—Link-Belt Co
JACKLIFT: Mechanical & hydraulic lift trucks—Lewis-Shepard Products
JACKTRACTOR: Tractors—Lewis-Shepard Products
JAGABI: Tachometers—James G Biddle Co
JANITROL: Heating equipment—Surface Combustion Corp
JEEP: Fork truck—Mercury Mfg Co
JET-HARD: Arc welding electrodes—Lincoln Elec Co
JET SELFEED: Dispensers—Infilco Inc
JET SIPHON: Fan inlet feature—Clarage Fan Co
JETSLINGERS: Bulk handling—Link-Belt Co
JETVEYOR: Steam conveyor—Brady Conveyors Corp
JETWELD: Arc welding electrodes—Lincoln Elec Co
JEWETT: Asbestos packings—JOHNS-MANVILLE
JIGGER: Products—Productive Equipment Corp
JOMANCO: Plastic tape—JOHNS-MANVILLE
JOY-MICRODYNE: Wet collectors—Joy Mfg Co
JUMBO: Mixers & blenders—J H DAY CO DIV

K

K-6: Welding, pressure regulating equipment—Air Products, Inc; K-G Equipment Co
"K" FELT: Sound & thermal insulation felt—American Felt Co
K-FIN: Tubing—Griscom-Russell Co
K-Foam: Polyurethane pipe insulation—Baldwin-Hill Co
KS-4: Gun applicable castable—A P Green Fire Brick Co
KX-99: Special super firebrick—A P Green Fire Brick Co
KABO: Phenolic resin cement—Maurice A Knight & Co
KADY: Products—Kinetic Dispersion Corp
KADYZOLVER: Products—Kinetic Dispersion Corp
KANIGEN: Nickel alloy coating—General American Transportation Corp
KARBATE: Products—NATIONAL CARBON CO DIV
KAR-FLO: Unloaders, box car—Link-Belt Co
KASE-KEG: Hand truck—Fairbanks Co
KAST-O-LITE: Insulating castable—A P Green Fire Brick Co
KAST-SET: Hydraulic setting castable—A P Green Fire Brick Co
KATA-PONTEX: Epoxy resin coating—Inertol Co
KATHABAR: Air conditioning & drying equipment—Surface Combustion Corp
KEARSARGE: Packings, asbestos—JOHNS-MANVILLE
KELCO: Dock bumpers—Kelley Co
KEMROCK: Table tops, laboratory—Kewaunee Mfg Co
KENDENT: Diamond cone penetrator—Torsion Balance Co
KENNETT: Mill recaptacles—National Vulcanized Fibre Co
KENTRALL: Testors, combination, hardness—Torsion Balance Co
KENTRON: Testers, micro hardness—Torsion Balance Co
KEWANEE: Poducts—Walworth Co
KEY-KAST: Products—W-K-M Co
KIDDE ATOM: Fire detectors—Kidde Ultrasonic & Detection Alarms
KIDDE-TEMP-O-LARM: Detectors—Kidde Ultrasonic & Detection Alarms
KIMAX: Laboratory glassware—Kimble Glass Co
KING-CLIP: Gate valves—Lunkenheimer Co

KING OF SCOTS: Steel boilers—National-US Radiator Corp
KING-SIZE: Clay pipe—Logan Clay Products Co
KLERO: Self-lubricating packing—Greene, Tweed & Co
KLOZURE: Oil seals—Garlock Packing Co
KNEADERMASTER: Kneader type mixers—Patterson Foundry & Mach Co
KNIGHTBOND: Sulfur base cements—Maurice A Knight Co
KNIGHT-WARE: Chemical stoneware—Maurice A Knight Co
KOLBOARD: Insulating board—Baldwin-Hill Co
KOMINUTER: Ball mills—F L Smidth & Co
KONTROL: Fire extinguishers—M L Snyder & Son
KOOL-VENT: Face shield—American Optical Co
KORDA: Products—Chicago Gasket Co
KORDUCT: Conduit, electrical—JOHNS-MANVILLE
KOROSEAL: Vinyl products — B F Goodrich Industrial Products Co
►KRAFT-LOK: Bags, valve—Kraft Bag Corp
►KRAFTPACKER: Filling machine, open mouth bag—Kraft Bag Corp
KRENE: Vinyl plastic sheeting—Union Carbide Plastics Co
KRESTEX: Protective garments & covers—Petra Mfg Co
KRUZITE: 70% alumina firebrick—A P Green Fire Brick Co

L

LA: Water treatment equipment—L A Water Softener Co
L-B: Products—Link Belt Co
LPG: Valves—Wm Powell Co
LQ600: Bronze globe valves—Lunkenheimer Co
LXS: Chains, steel—Link-Belt Co
LAB-CREST: Laboratory glassware—Fischer & Porter Co
LABMASTER: Lab service fixtures—Laboratory Furniture Co
LAB-STIR: Stirrers—Eberbach Corp
LAC-O-NU: Cleaners & sealers—Nu Steel Co
LAMILON: Wheels, plastic—Fairbanks Co
LANCASTER: Products—Posey Iron Works
LATTICE BRAID: Flax packing—Garlock Packing Co
LAUB ELECTRO-CALORIC: Meters, flow—Industrial Development Labs
LAVOLAIN: Semi-steatite—Star Porcelain Co
LEAF: Chains—Link-Belt Co
LEAK-TEC: Products—American Gas & Chems, Inc
LECO: Analysis apparatus—Laboratory Equipment Corp
LECTROBREATHERS: Air dryers—Pittsburgh Lectrodryer Div
LECTRODRYERS: Products—Pittsburgh Lectrodryer Div
LECTROFILTER: Oil eliminator—Pittsourgh Lectrodryer Div
LE-HI: Products—Hose Accessories Co
►LEHIGH: Fans & scrubbers—Fuller Co
LESLIE: Products—Leslie Co
LESLIE-DUO-MATIC: Temperature regulators—Leslie Co
LESLIE-LEVEL-MATIC: Control pilot—Leslie Co
LESLIE-SUPERTYFON: Plant signals—Leslie Co
LESLIE-TOPPER: Valves—Leslie Co
LESLIE-TYFON: Steam whistles—Leslie Co
LEVEL EYE: Indicators, liquid level—H A Phillips & Co
LEVELMASTER: Products—Jo-Bell Products
LEY BUSHED: Chains—Link-Belt Co
LIGHT WARDEN: Emergency lighting—Electric Cord Co
LIGHTNIN: Mixers & agitators—MIXING EQUIPMENT CO
LINCOLNDUCTOR: Welding apparatus—Lincoln Elec Co
LINCOLNWELD: Welding apparatus—Lincoln Elec Co
LINC-THAW: Pipe thawing control—Lincoln Elec Co
LINCWELDER: Welding apparatus—Lincoln Elec Co
LINE-A-GEAR: Reduction gears—Louis Allis Co
LINE-A-SPEDE: Gear motors—Louis Allis Co
LINEATROL: Linear actuators—Jordan Co
LINKBELTWALK: Belt, moving sidewalks—Link-Belt Co
LION: Belts, conveyor—Link-Belt Co
LIQUID: Screens, vibrating—Link-Belt Co
LIQUI-JECTOR: Separators, liquid gas—Selas Corp of America
LIRA: Products—Mine Safety Appliances
LITFWATE: Roller conveyor—Standard Conveyor Co
LITTLE GEM: Fittings—Aeroquip Corp
LITTLE GIANT: Cutting Machines—TAYLOR STILES & CO
LITTLE GIANT: Double arm mixer—J H DAY CO DIV
LITTLE RICHARD: Pneumatic proportioning valves—American Instrument Co
LIVE JOINT: Products—Marman Div
LOAD LIFTER: Hoists—Manning, Maxwell & Moore, Inc
LOADMASTER: Barrel & drum racks—Lewis-Shepard Products
LO-BLAST: Products—Mid-Continent Metal Products Co
LOCK-TYPE: Chains, roller, bushing—Link-Belt Co
LOCKWELD: Casters—Fairbanks Co
LOGAN: Products—Logan Clay Products Co
LOG-LUGGER: Chains—Link-Belt Co
LOK-TITE: Reusable hose couplings—Lincoln Engrg Co Div
LOLINE: Cooling towers—J F Pritchard & Co of Cal
LOUISVILLE: Dryers, coolers & reactors—General American Transportation Corp
LO-VEYORS: Vibrating screens, feeders—Ajax Flexible Coupling Co
LOW-HEAD: Vibrating screens & gyratory sifters—Allis-Chalmers Mfg Co
LUBREEL: Reel & hose assemblies—Lincoln Engrg Co
LUBRIGUN: Power grease gun—Lincoln Engrg Co Div
LUBRIVAL: Circulating oil system—Farval Corp
LUDLOY: Oil tempered wire screens—Ludlow-Saylor Wire Cloth Co
LUMARD: Jars—Paul O Abbe
LUNCOR PVC: Plastic valves—Lunkenheimer Co
LUNKENHEIMER: Products—Lunkenheimer Co

M

M: Bearings, roller—Link-Belt Co
MC: Products—Link-Belt Co
MDC 650-2, 700-1, 701-1, 720-1, 725-1, 725-2: Products—Mast Development Co
M & M: Products—McDonnell Miller
MR: Chains, roller—Link-Belt Co
M/R BOARD: Products—Hinde & Dauch Div
MWC: Monoweld radiator construction—Young Radiator Co
MACBETH: Glasses, gauge, flat—Corning Glass Works
MAC GREGOR-COMORAIN: Products—National-US Radiator Corp
MAC-IRON: Products—Mack Iron Works Co
MACRON: Acid resisting linings—Maurice A Knight
MAGIC-GRIP: V-belt sheaves & bushings—Allis-Chalmers Mfg Co
MAGMAN: Magnetic plates—Stearns Magnetic Products
MAGNA BOND: Porcelain bushing cement—Allis-Chalmers Mfg Co
MAGNAMATION: Products, magnetic—Eriez Mfg Co
MAGNA-RAILS: Magnetic components for elevating—Eriez Mfg Co
MAGNA-ROLLS: Magnetic rolls—Eriez Mfg Co
MAGNESAR: Wire welding—Arcos Corp
MAGNI-GRAD: Balances & wts—Wm Ainsworth & Sons
MAGNORITE: Fused magnesia refractories—Norton Co
MAGSWITCH: Switches—Micro Switch Div
MAHOGANY: Safety glasses—American Optical Co
MAISCH: Metering pumps—Mechanical Products Corp
MAJOR: Lubricators—Lukenheimer Co
MALGATE: Valves, gate, malleable iron—Wm Powell Co
MALRENEW: Globe & angle valves—Wm Powell Co
MALTESE: Mirrors & non-reflecting glass—Semon Bache & Co
MANGANEND: Arc welding electrodes—Arcos Corp
MANGANWELD: Arc welding electrodes—Lincoln Elec Co
MANGJET: Arc welding electrodes—Lincoln Elec Co
MANITOWOC: Products—Manitowoc Shipbuilding
MANHATTAN: Linings, rubber—Raybestos-Manhattan
MANHATTAN: Self-lubricating packing—Greene, Tweed & Co
MANTALLOY: Crusher parts—Allis-Chalmers Mfg Co
MANUAL LINCOLNWELD: Welding apparatus—Lincoln Elec Co
MARINE: Grease cups—Lunkenheimer Co
MARION ELEVATOR: Elevating & conveying equipment—Rapids Machy Co
MARION FINISHER: Pulverizing machine—Rapids Machy Co
MARION HOLDING BIN: Holding bin—Rapids Machy Co
MARION MIXER: Mixing & blending machine—Rapids Machy Co
MARION SURGE HOPPER: Bin—Rapids Machy Co
MARKSMAN: Temperature recorders—West Instrument Corp
MARLO: Packings, metallic—Marlo Co
MASCOT: Analog-to-digital converter—Consolidated Electrodynamics Corp
MASTAIR: Master valves—Hanna Engrg Works
MASTERS: Icers, car—Link-Belt Co
MASTERLINE: Pumps—Hills McCanna Co
MASTER LINE: Products—Lewis-Shepard Products
MASTER PILOT: Valves, iron, gate—Wm Powell Co
MASTERGAUGE: Gauges—Jas P Marsh Corp
MAX-FLOW: Couplings & assemblies—Anchor Coupling Co
MAXISAFE: Pressure gauges—Manning, Maxwell & Moore, Inc
MAXITEST: Test gauges—Manning, Maxwell & Moore, Inc
MAXIVISION: Thermometer dials—Manning, Maxwell & Moore, Inc
MAYFLEX: Fire hose—Hewitt-Robins
MCCAA: Products—Mine Safety Appliances
McCANNA METER: Proportioning pumps—Hills-McCanna Co
McCULLY: Gyrator crushers, elevators, & screens—Allis-Chalmers Mfg Co
MECHANIPAK: Mechanical seals—Garlock Packing Co
MEGGES: Electrical resistance testers—James G Biddle Co
MERCO: Centrifuges, pressure—Dorr-Oliver, Inc
MERONE: Centrifuges, pressure—Dorr-Oliver, Inc
MERCURECEIVER: Products—Chemequip Co
MERCURY: Products—Pettibone Mulliken Corp
MERCUTHAL: Laboratory thermometers—Precision Thermometer & Instrument Co
MER-MAID: Vinyline pulleys—Mercury Industries
MERRILL PROCESS: Heating systems, hot oil—Parks-Cramer Co
MERSEMETRIC: Pumps, volume, controlled—Milton Roy Co
MERUN: Electric motors—Brook Motor Corp
MERVAC: Mercury recovery & fume collector—Acme Protection Equipment Co
METAMETER: Electric telemetering system—Bristol Co
METAVANE: Products—Bristol Co
METERMAX: Combustion control—Leeds & Northrup Co
METER-MO: Pneumatic proportioning valve—American Instrument Co
METROTYPE: Information systems—Bailey Meter Co
MEX-KO: Brick, refractory—A P Green Fire Brick Co
MET-L-X: Fire extinguisher—ANSUL CHEM CO
MICHIANA: Micronic filters—Commercial Filters Corp
MICROCARB: Furnace atmosphere control system—Leeds & Northrup Co
MICROFLO: Diaphragm metering pump—Lapp Insulator Co
MICRO-KLEAN: Filters—Cuno Engrg Corp
MICRO-MAX: Products—Leeds & Northrup Co
MICRONIZER: Jet pulverizer—Sturtevant Mill Co
MICROSADIC: Analog-to-digital converter — Consolidated Electrodynamics Corp
MICRO-SCREEN: Filters—Cuno Engrg Corp
MICROSEN: Electronic control instruments—Manning, Maxwell & Moore, Inc
MICROVAC: High vacuum pump—F J Stokes Corp
MIDCO: Heaters, air—Mid-Continental Metal Products Co
MIDGET: Self-priming centrifugals—Gorman-Rupp Co
MIJIT: Jars—Paul O Abbe
MIKRO-AIRLOCK: Products—Pulverizing Machy Div
MIKRO-ATOMIZER: Hammermills—Pulverizing Machy Div
MIKRO-BANTAM: Pulverizers—Pulverizing Machy Div
MIKRO-BUD: Pulverizer—Pulverizing Machy Div
MIKRO-COLLECTOR: Products—Pulverizing Machy Div
MIKRO-CRUSHER: Products—Pulverizing Machy Div
MIKROHM: Rheostats—Superior Elec Co
MIKRO-MULTI-D: Pulverizers—Pulverizing Machy Div
MIKRO-PULSAIRE: Collector, dust—Pulverizing Machy Div
MIKRO-PULVERIZER: Products—Pulverizing Machy Div
MILDISADIC: Analog-to-digital converter—Consolidated Electrodynamics Corp
MILL BEARING: Blocks, pillow—Link-Belt Co
MILLIVAC: Electrical apparatus—Bristol Co
MILTON ROY: Controlled volume pumps—Milton Roy Co
MINIAIR: Pumps, volume, control—Milton Roy Co
MINILAB: Rotary lab pump—Eco Engrg Co
MINI-LINE: Combustion controls—Bailey Meter Co
MINIMITE: Indicatory pyrometer—Thermo Elec Co
MINIPUMP: Pumps, volume, control—Milton Roy Co
MIRACLE: Fire extinguishers—M L Snyder & Co
MITCO: Steel flooring—Hendrick Mfg Co
MITE: Products—George W Dahl Co
MIXCO: Fluid mixers—MIXING EQUIPMENT CO
MIXEND: Arc welding electrodes—Arcos Corp
MIZZOU: 60% alumina firebrick—A P Green Fire Brick Co
MOBILE: Lifts & platforms—Ballymore Co
MOBILENE: Asbestos packings—JOHNS-MANVILLE
MODEL STAR: Valves—Wm Powell Co
MODERN QUALITY: Tanks & vessels—Modern Welding Co, Inc
MOGUL: Double arm mixers—J H DAY CO DIV
MOGUL: Platform truck—Mercury Mfg Co
MOLY-TELASTIC: Castings, steel—Falk Corp
MONAR: Welding wire—Arcos Corp
MONARCH: Spray nozzles, strainers, valves—Monarch Mfg Works
MONITOR: Products—Cleaver-Brooks Co
MONKEY GRIP: Gloves, plastic—Edmont Mfg Co
MONO-BLOCK: Products—Baldwin-Hill Co
MONO-KOVER: Products—Baldwin-Hill Co
MONO PISTON: Products—Karl Kiefer Mach Co
MONOSCALE: Products—Karl Kiefer Mach Co
MONOTUBE: Dryers; Coolers—Link-Belt Co
MONOVALVE, F&Y: Products—Velan Steam Specialties
MORAN'S: Products—Greene, Tweed & Co
MOTODRIVE: Variable speed drives—Reeves Pulley Co Div
MOTOGEAR: Drives—Link-Belt Co
MOTOREDUCERS: Reducers, motorized—Falk Corp
MOUAT: Steam specialties—C E Squires Co
MOYNO: Pumps—Robbins & Myers
MUDWONDER: Valves—Edward Valves Inc
MULSIFYRE: Fire protection systems—Grinnell Co
MULTI-BAG FILTER: Dust collectors & filters—Dracco Div
MULTIBOND: Polyester resins—Nukem Products Corp
MULTICLONE: Dust collectors—Western Precipitation Corp
MULTIGUARD: Motors, AC—Lincoln Elec Co
MULTI-LOUVRE: Dryers; Coolers—Link-Belt Co
MULTI-LUBER: Lubricating systems, central — Lincoln Engrg Co Div
MULTIMET: Heat-resistant alloy—Haynes Stellite Co Div
MULTI-MOUNT: Gear reducers—Sterling Elec Motors
MULTIPLE-UNIT: Heating units—Hevi-Duty Elec Co
MULTISCALER: Radioactivity counter—Baird-Atomic, Inc
MULTISOURCE UNIT: Excitation source unit—Applied Research Labs
MULTI-SPEED: Conveyor lubricator—Alemite Div
MULTITHERM: Air conditioning unit—Clarage Fan Co
MULTI-TIER: Dryers—Link-Belt Co
MULTITUBE: Tubing, protected—Crescent Insulated Wire & Cable Co
MULTIVAL: Lubricating system—Farval Corp
MURCO: Products—D J MURRAY MFG CO
►MUREX: Electrodes—Metal & Thermit Corp

N

900 CLASS: Chains—Link-Belt Co
NCG: Industrial gases; Welding & cutting equipment—National Cylinder Gas Div
N-M-D: Valves—Lunkenheimer Co
NRM: Screens, vibrating, liquid—Link-Belt Co
NW: Noviweld—American Optical Co
NARCOIL: Pump oil—NRC Equipment Corp
NARESCOIL: Pump oil—NRC Equipment Corp
NATIONAL: Burners; Mixers—Mid-Continent Metal Products Co
NATIONAL: Carbon & graphite products—NATIONAL CARBON CO DIV
NATIONAL HYDRO-FILTER: Products—National Dust Collector Corp
NAUTA: Mixers—Buflovak Equipment Div
NAVALON: Packings, pump—JOHNS-MANVILLE
NEOX: Neoprene coated gloves—Edmont Mfg Co
NERCO-NIRO: Spray dryers and colors—Nichols Engrg & Research Corp
NESSLERIMETER: Colorimeters—FISHER SCIENTIFIC
NETTCO: Products—New England Tank & Tower Co
NEUSOL: Feeders—Infilco Inc

NEVERSTOP: Carton opening & closing machines—FMC Packaging Machy Div
NEWHOUSE: Reduction crushes—Allis-Chalmers Mfg Co
NIAGARA: Air conditioning equipment—NIAGARA BLOWER CO
NIAGARA-AERO: Aftercoolers & heat exchangers—NIAGARA BLOWER CO
NIAGARA AEROPASS: Condensers—NIAGARA BLOWER CO
NIAGARA METERS: Products—Buffalo Meter Co
NIAGARA NO-FROST: Refrigerating equipment—NIAGARA BLOWER CO
NICKELEND: Arc welding electrodes—Arcos Corp
NICKEND: Arc welding electrodes—Arcos Corp
NICLOY: Tubing & pipe—Babcock & Wilcox Co, Tubular Products Div
NICROBRAZ: Alloys, brazing—Wall Colmonoy Corp
NICUAR: Welding wire—Arcos Corp
NICUEND: Arc welding electrodes—Arcos Corp
NI-ROD: Electrodes for metal arc welding—International Nickel Co
NITROMETER: Protective mask—Industrial Products Co
NO-BATT: Products—Bristol Co
NO-CURL: Rubber flare spats & leggings—American Optical Co
NOCORDAL: Heat exchanger material—Heil Process Equipment Corp
NOFOME: Sanitary centrifugal pumps—Ladish Co, Tri-Clover Div
NOISE FOE: Products—Mine Safety Appliances
NO-LEAK: Conveyors, apron—Link-Belt Co
NON-CLOGGING: Nozzles, spray—Link-Belt Co
NON-SPATTER: Clear cover lens—Lincoln Elec Co
NORBIDE: Products—Norton Co
NORDYKE: Mill machinery—Allis-Chalmers Mfg Co
NORWALK: Compressors, air, gas—Norwalk Co
►NO-TARE: Regular & reinforced sealing tapes—Gilman Paper Co
NOVIWELD: Welding plate & lens—American Optical Co
NOZLEJECTOR: Continuous centrifuges—Sharples Corp
NOZ-L-MIX: Burners, submerged—Submerged Combustion
NU BLAC: Grey electrical porcelain—Star Porcelain Co
NUKEM ALL PURPOSE 21, 31: Synthetic resin cements—Nukem Products Corp
NUKEMITE: Products—Nukem Products Corp
NU-KLAD: Epoxy toppings—Nukem Products Corp
NULMATIC: Instruments, industrial—Moore Products Co
NYLAFLOW: Pressure tubing—Polymer Corp
NYLO-SEAL: Tube fittings—Imperial Brass Mfg Co
NYROGEN: Gas for powder cutting—National Cylinder Gas Div
NY-STEEL: Chains, nylon, flat-top roller—Link-Belt Co

O

1 SAVAGE: Fire brick—Robinson Clay Products Co
100: Grit finish—Eastern Stainless Steel Corp
O&S: Fuel burning systems—Orr & Sembower, Inc
ODOR-FREE: Products—Darworth, Inc, Chem Products
OIL FOIL: Felt & rubber laminated seals—American Felt Co
OPW KAMLOK: Pipe & hose couplings—Jordan Corp
OHIO WOODLAND: Fire brick & clay—Robinson Clay Product Co
OHMSTONE: Panels, control, electrical—JOHNS-MANVILLE
OIL MIST: Lubrication system—Alemite Div
OLIVITE: Pumps, acid handling—Dorr-Oliver, Inc
OLYMPIC: Products—Chase Brass & Copper Co
OMNIGUARD: Temperature monitor—Thomas A Edison Industries
OSCILLATING: Conveyors—Link-Belt Co
OSCILLOUVRE: Dryers; Dryer-coolers—Link-Belt Co
OVALHOLE: Products—Hollow Center Packing Co
OXYCAT: Controls, air pollution—Oxy-Catalyst, Inc
OXYCUTTEND: Metal cutting electrodes—Arcos Corp
OXY-TEC: Liquid leak detector—American Gas & Chems

P

PA: Oscillating conveyors—Link-Belt Co
P I V: Variable speed drives—Link-Belt Co
PM: Screens—Link-Belt Co
PACEMAKERS: Industrial gloves—Pioneer Rubber Co
PACIFIC: Steel boilers—National-US Radiator Corp
PACKET: Products—National-US Radiator Corp
PAKICE: Crystal form of ice—Vilter Mfg Co
PALCO: Self-lubricating packing—Greene, Tweed & Co
PALLET-TOP: Conveyors—Link-Belt Co
PALMETTO: Self-lubricating packing—Greene, Tweed & Co
PANEL-COIL: Pipe coil substitute—Dean Products, Inc
PANELRAMIC: Cooling towers—J F Pritchard & Co of Cal
PANORAM: Plastic goggle—American Optical Co
PA OSCILLATING CONVEYORS: Products—Link-Belt Co
PARACOIL: Heat exchangers—Davis Engrg
PARA-FLEX: Flexible couplings—Dodge Mfg Corp
PARAFLOW: Filter cartridge—American Felt Co
PARAGON: Lubricators—Lunkenheimer Co
PARALINE: Motor bases—Allis-Chalmers Mfg Co
PARALLEL SHAFT: Drives, gear—Link-Belt Co
PARRAL PLASTIC: Bonding mortar—Robinson Clay Product Co
PATCHMASTER: Products—Marman Div
PATCHTITE: Plastic firebrick—Robinson Clay Product Co
PAY LOADER: Tractor shovels—Frank G Hough Co
PAY LOGGER: Tractors—Frank G Hough Co
PAY MOVER: Industrial tractors—Frank G Hough Co
PECK: Carriers, bucket—Link-Belt Co
PEERLESS: Insulation—National Vulcanized Fibre Co
PELICAN: Self-priming centrifugals—Gorman-Rupp Co
PELRO: Self-lubricating packing—Greene, Tweed & Co
PENLO: Lubricators—Lunkenheimer Co
PENNENT: Oil pump—Wm Powell Co
PENN RICH: Heat & acid resistant fabrics—Woolrich Woolen Mills
PEP-UP: Salt tablets—United States Safety Service Co
PERFECT: Square mesh wire cloth—Ludlow-Saylor Wire Cloth Co
PERIMAHEAT: Baseboard convectors—Young Radiator Co
PERMACEL: Abrasives; Tapes; Degreasers—Permacel
PERMANITE: Resin materials—Maurice A Knight Co
PERMAS: Balance weights—FISHER SCIENTIFIC
PERMASEAL: Products—Jeffrey Mfg Co
PETROL: Valves, gate—Wm Powell Co
PHENOLITE: Laminated plastic sheets—National Vulcanized Fibre Co
PHOS-SIL: Brazing alloys—American Brazing Alloys Co
PIANO-HINGED: Conveyors, apron—Link-Belt Co
PILOT: Iron gate valves—Wm Powell Co
PIONEER: Oil cups—Lunkenheimer Co
PIPING KING: Products—Velan Steam Specialties
PISTONAIR: Motors—Joy Mfg Co
PISTON TRAP: Products—Velan Steam Specialties
PLAINLOCK: Pipe couplings—Victaulic Co of America
PLANEWELD: Arc welding electrodes—Lincoln Elec Co
PHOSNIC: Products—Chase Brass & Copper Co
PHOS-TRODE: Phosphor bronze welding electrodes—Ampco Metal
PLASTIFAB: Plastic coated gloves—American Optical Co
PLASTITE: Coatings, protective—Wisconsin Protective Coating Co
PLASTIC-MELT: Products—Thermo Elec Co
PLAST-O-LINE: Thermoplastic tank lining—Heil Process Equipment Corp
PLASTOLITE: Hardened lenses—American Optical Co
PLEXICODER: Multiplexing unit—Consolidated Electrodynamics Corp
PLICAST: Castable refractories—Plibrico Co
PLUS-FIFTY-B: Chemical extinguisher—ANSUL CHEM CO
PLUS TYPE: Steel chains—Link-Belt Co
PLUVOL: Water-repellent—Inertol Co
PLYPAK: Corrugated paper—Hinde & Dauch Div
PNEU-DRAULIC: Circuit breakers—Allis-Chalmers Mfg Co
PNEUMATRACTOR: Self-propelled air compressors—Schramm, Inc
POLARFLAKE: Flaked ice—Vilter Mfg Co
POLYBLOC: Impervious graphite heat exchangers—Carbone Corp
POLYCEL: Wooden tanks—Wendnagel & Co
POLYFLEX: Plastic sheet—Plax Corp
POLY-FLO: Fittings, tube; Polyethylene tubing—Imperial Brass Mfg Co
POLYMAX: Polyvinyl chloride filter cloth—NATIONAL FILTER MEDIA CORP
POLYPENCO: Nylon industrial products—Polymer Corp
POLYROPE: Polyethylene rope—Industrial Products Co
PONKOTE: Acid-resisting enamels—Inertol Co
PORO-CARBON: Filter media—R P Adams Co
PORO-EDGE: Filter media—R P Adams Co
PORO-KLEAN: Filters—Cuno Engrg Corp
PORO-SCREEN: Filter media—R P Adams Co
PORO-STONE: Filter media—R P Adams Co
POROX: Balls; Linings—Patterson Foundry & Mach Co
PORTAIR: Blowers—Coppus Engrg Corp
POSI-DRIVE: Gear belts—Russell Mfg Co
POSITIVE SEAL: Transformer brushings—Allis-Chalmers Mfg Co
POWER & FREE: Conveyors—Link-Belt Co
POWER CHIEF: Engines, gas, diesel—Nordberg Mfg Co
POWERCORD: Belt—Gates Rubber Co
POWER-CRATER: Engines—Allis-Chalmers Mfg Co
POWERFLEX 300, 500: Steam hose—Thermoid Co
POWERFLEX THERMOID: V belts—Thermoid Co
POWERFLO: Air-powered pumps—Gray Co
POWER-MASTER: Air-operated drum pumps—Lincoln Engrg Co Div
POWER MASTER: Electric stackers — Lewis-Shepard Products
POWER-PAK: Boilers—Orr & Sembower
POWER SEAL: Products—Protective Lining Corp
POWERSTAT: Transformers—Superior Elec Co
POWER-STIR: Stirrers—Eberbach Corp
POWERSTROKE: Motors—Powers Regulator Co
POWER VEYOR: Live roller—Rapids-Standard Co
POWRDRAULIC: Hydraulic cylinders—Hanna Engrg Works
POWRMATIC: Air & hydraulic cylinders—Hanna Engrg Works
POXITAR: Coal-tar epoxy coating—Inertol Co
PRE-BILT: Conveyors, belt, sectional—Link-Belt Co
PRECIPITRON: Products—Westinghouse Elec Co
PRECISION CHARGE: Chargers, battery—Lincoln Elec Co
PRECISION STEEL: Chains, roller—Link-Belt Co
PREE-HEET: Water systems, boiler feed—Fred H Schaub Engrg Co
PRE-ENGINEERED: Chain drives, roller, silent—Link-Belt Co
PREMIER: Gas engine lubricators—Lunkenheimer Co
PRE-SELECTED: Drives, chain—Link-Belt Co
PRESS-LOCK: Screen cloth—W S Tyler Co
PRESSURE JOINT: Clay pipe joint—Logan Clay Products Co
PRESSURETROL: Pressure controllers—Brown Instruments Div
PRESS VEYOR: Cleated inclined belt—Rapids-Standard Co
PRINCO: Thermometers—Precision Thermometer & Instrument Co
PRINT-O-METER: Petroleum meter—Neptune Meter Co
PRINTWEIGH: Scales, printing, weight—Toledo Scale
PROGRESS: Products—Cleaver-Brooks Co
PROJECTOMATIC: Projection reading balances—Torsion Balance Co
PROMAL: Chains; Buckets; Castings—Link-Belt Co
PROPELLAIR: Fans & blowers—Robbins & Myers
PROTECTAVALVE: Nonfreezing valve guard—Acme Protection Equipment Co
PROTECTOSPRAY: Fire protection system—Grinnell Co
PROTECTOCOTE: Neoprene clothing & gloves—American Optical Co
PROTECT-O-VANE: Pyrometer control—Brown Instruments Div
PROTECTUS: Water meter—Neptune Meter Co
PRO-TEX-MOR: Products—Central States Paper & Bag Co
PRUFTITE: Masonry coatings—Prufcoat Labs
PUL-LIFT: Hoists, hand—Yale & Towne Mfg Co
PULSAFEEDER: Diaphragm metering pump—Lapp Insulator Co
PULVA-SIZER: Hammer mills—PULVA CORP
PULVERATOR: Hammer mills—Allis-Chalmers Mfg Co
PULVOCRON: Grinders; Classifiers—Strong-Scott Mfg Co
PUMP KING: Centrifugal pump—Ladish Co, Tri-Clover Div
PURAGON: High purity argon—Air Products, Inc, Industrial & Medical Gas Div
PURAIR: Helmets & blowers—W W Sly Mfg Co
PUR-A-WELD: Welding gas mask—Acme Protection Equipment Co
PYRAMID: Molded packings—Greene, Tweed & Co
PYREX: Glassware—Corning Glass Works
PYRO: Pyrometers—Pyrometer Instrument Co
PYROCERAM: Tubing & rods—Corning Glass Rods
PYROCON: Pyrometers—Illinois Testing Labs
PYROFLEX: Acid resisting linings & paint—Maurice A Knight Co
PYROMARK: High-temperature paint—Tempil Corp
PYROMASTER: Potentiometers—Bristol Co
PYR-O-PULSE: Pyrometer control—Brown Instruments Div
PYROTAC: Excess temperature alarm—Illinois Testing Labs
PYROTROLLER: Temperature controller—Illinois Testing Labs
PYROTRON: Industrial thermometers—Bailey Meter Co
PYR-O-VANE: Pyrometer control—Brown Instruments Div
PYR-O-VOLT: Pyrometer control—Brown Instruments Div

Q

QUANTICHEM: Colormetric analyzers—Milton Roy Co
QUANTOGRAPH: 3-in-1 spectroanalyzer—Applied Research Labs
QUANTOMETER: Direct-reading spectrometer—Applied Research Labs
QUANTOVAC: Vacuum spectrometer—Applied Research Labs
QUANTROL: X-ray production spectrometer—Applied Research Labs
QUEEN OF SCOTS: Steel boilers—National-US Radiator Corp
QUIK-LINK: Screws, conveyor—Link-Belt Co
QUICK-SEAL: Test plugs—Mechanical Products Corp
QUIK-TEMP: Heating systems—Fred H Schaub Engrg Co
QUINORGO: Insulating materials, electrical—JOHNS-MANVILLE
QUINORGOBORD: Insulating sheets—JOHNS-MANVILLE
QUINTERRA: Insulating materials, electrical—JOHNS-MANVILLE
QUINTERRABORD: Insulating sheets—JOHNS-MANVILLE

R

RC: Couplings, shaft, flexible—Link-Belt Co
RC CLASS ROLLER: Chains—Link-Belt Co
RE-3: Aluminum coatings—Wilbur & Williams Co
R/M: Asbestos products—Raybestos-Manhattan
R & M: Products—Robbins & Myers
RW-300: Digital control computer — Thompson-Ramo-Wooldridge Products Co
RADI-AIRE: Fans—Reynolds Elec Co
RAILWARE: Arc welding electrodes—National Cylinder Gas Div
RAMUC MILDEW-RESISTANT: Paints—Inertol Co
RAMUC UTILITY: Paints—Inertol Co
RAPID ROLLER: Gravity roller conveyor—Rapids-Standard Co
RAPID WHEEL: Gravity wheel conveyor—Rapids-Standard Co
RAPISTAN: Wheel gravity conveyors—Rapids-Standard Co
RAPISTAN-KEYSTONE: Overhead conveyor — Rapids-Standard Co
RAPISTEEL: Structural steel framing—Rapids-Standard Co
RAYBESTOS: Materials, friction—Raybestos-Manhattan
RAY-D-8: Luminous warning flags—Industrial Products Co
RAYOTUBE: Heat radiation detector—Leeds & Northrup Co
RAY-O-VAC: Flashlights; Batteries—Ray-O-Vac Co
REACH FORK: Electric trucks—Raymond Corp
REACTIVATOR: Softeners & clarifiers, water—Graver Water Conditioning Co
READY: Valves, gate—Wm Powell Co
READY HEAT: Heating tape—Cox & Co
REAKTOR: Products—Kinetic Dispersion Corp
REALWEAR: Products—Warren Pumps
RECO: Mixers & controls—Reynolds Elec Co
RED-BALL: Hydraulic fittings—Alemite Div
RED DEVIL: Respirator dust filter—American Optical Co
RED GIANT: Trucks, hand lift—Revolvator Co
RED HEAD: Masking compounds—Blaco Mfg Co
RED-HEAD: Conveyer pulleys—Mercury Industries
REDHEAD: Masking coating—Serwell Products Co
RED-HED APT: Chains, field, SS type—Link-Belt Co
REDI-FAB: Conveyor belts—Barber-Greene Co
REDI-FLOW: Vibrating feeder—Barber-Greene Co

REDIFLUXED: Welding & brazing rod—National Cylinder Gas Div
REDI-SET: Welding and cutting outfit—Air Products, Inc; K-G Equipment Co
REDLER: Flexible conveyors—Stephens-Adamson Mfg Co
REDMONT: Neoprene coated gloves—Edmont Mfg Co
RED SEAL: Petroleum meter—Neptune Meter Co
REEVELEC: Products—Reeve Electronics
REFLECTOSCOPE: Ultrasonic testing equipment—Sperry Products
REFRA: Gages—Jerguson Gage & Valve Co
REGULEX: Exciter for DC machines—Allis-Chalmers Mfg Co
REK-TANG: Long opening screens—Ludlow-Saylor Wire Cloth Co
RELIANCE V-S: Controls; Drives—Reliance Elec & Engrg Co
RELIEF: Metallic packing—Hollow Center Packing Co
REMOCON: Products—Toledo Scale
RENEWO: Valves, Gauge cocks—Lunkenheimer Co
RESIBOND: Acid resisting cement—Maurice A Knight Co

►RESINITE: Plastic products—Borden Chem Co, Resinite Dept

RESORB: Solvent recovery equipment—BARNEBEY-CHENEY CO
REVIVIFIER: Sands, molding—Link-Belt Co
REVOLVATOR: Portable elevator—Revolvator Co
REVOLVING DISC: Screens—Link-Belt Co
REVOLVING DRUM: Screens—Link-Belt Co
REX: Products—Chain Belt Co
RHEEMCOTE: Drum decorating process—Rheem Mfg Co, Container Div
RIBBON HEAT: Heating tape—Cox & Co
RIGHT-A-WEIGH: Balances, analytical—Wm Ainsworth & Sons
RIGICAST: Molded plastic—Heil Process Equipment Corp
RIGIDENE: Polyethylene type plastic—Heil Process Equipment Corp
RIGIDON: Glass reinforced plastic—Heil Process Equipment Corp
REGIFLOR: Products—Heil Process Equipment Corp
RIGILINE: Plastics—Heil Process Equipment Corp
RIGIPRO: Polypropylene fabrications—Heil Process Equipment Corp
RIGORTEX: Acid-resisting enamels—Inertol Co
RIGIVIN: Vinyl type plastic—Heil Process Equipment Corp
RINGAUZE: Heating supports—FISHER SCIENTIFIC
RING-JET: Pumps, vacuum, oil vapor—F J Stokes Corp
RING-TITE: Pipe couplings—JOHNS-MANVILLE
RIPL-FLO: Vibrating screens—Allis-Chalmers Mfg Co
RIVETLESS: Chains—Link-Belt Co
RO-BALL: Screens & sifters—J H DAY CO DIV
ROBERTS: Centrifugals—Western States Mach Co
ROBOTEL: Indicators—Infilco Inc
ROBOTROL: Automatic controls—Infilco Inc
ROCK CORK: Pipe & block insulation—JOHNS-MANVILLE
ROCKING CONTACT: Generator voltage regulators—Allis-Chalmers Mfg Co
RO-FLO: Single-stage rotary air compressors—Allis-Chalmers Mfg Co
ROKIDE: Coatings—Norton Co
ROL-AIR: Flaring tools—Imperial Brass Mfg Co
ROLL-I-CART: Maintenance carts—Paul O Young Co
ROLL-OVER: Barrel and drum stand—Paul O Young Co
ROLLING-GRIP: Clutches, friction—Dodge Mfg Corp
ROLL-N-STOR: Hand lift trucks—Hamilton Caster & Mfg Co
ROOF-TOP: Chains—Link-Belt Co
ROOMAIRE: Air conditioning units—Young Radiator Co
ROTA-CONE: Cone blenders; Vacuum dryers—Paul O Abbe
ROTADRILL: Rotary drill rigs—Schramm, Inc
ROTA-GRATE: Rotating magnetic grate—Eriez Mfg Co
ROTA-GRATOR: Screen & comminutor—Infilco Inc
ROTAIRE: Furnaces—Hevi-Duty Elec Co
RO-TAP: Testing sieve shaker—W S Tyler Co
ROTA-RAKE: Sedimentation unit—Graver Water Conditioning Co
ROTARY DRUM: Screens—Link-Belt Co
ROTATOOL: Accessory on "Rotadrill"—Schramm, Inc
ROTEX: Gyratory screeners—Orville Simpson Co
ROTO: Cleaners, tube & air—Elliott Co, Roto Div
ROTO-BIN-DICATOR: Material level indicator—Bin-Dicator Co
ROTOBLAST: Blast cleaning equipment—Pangborn Corp
ROTO-GUARD: Shaft motion indicator—Bin-Dicator Co
ROTOJET: Cleaners, tube & air—Elliott Co, Roto Div
ROTO-LOUVRE: Products—Link-Belt Co
ROTOMOTOR: Motor & valve actuators—Conoflow Corp
ROTO-NODULIZERS: Fertilizer—Link-Belt Co
ROTOR-LIFT: Elevators—Link-Belt Co
ROTOSCOOP: Dewaterers, sand—Link-Belt Co
ROTO-SHELF: Coolers—Buflovak Equipment Co
ROTO-SKIM: Products—Chain Belt Co
ROTOSWITCH: Rotary switches—Micro Switch Div
ROTO-VAK: Concentrators—Buflovak Equipment Div
ROTREX: Rotary vacuum pumps—C H Wheeler Mfg Co
RO-TWIN: Two-stage rotary air compressors—Allis-Chalmers Mfg Co
ROUST-A-BOUT: Products—Victaulic Co of America
ROYAL: Oil cups—Lunkenheimer Co
ROYAL: High-temperature bonding mortar—Robinson Clay Product Co
RUBBER-COAT: Corrosion proofing materials—Wilber & Williams Co
RUBBERCOAT LIQUID HYPALON: Synthetic rubber coatings—Wilbur & Williams Co
RUMACO: Pumps—Ruthman Machy Co
RUNWEL: Self-lubricating packing—Greene, Tweed & Co
RUPTAIR: Circuit breakers—Allis-Chalmers Mfg Co
RUPTOR: Arc interrupting devices—Allis-Chalmers Mfg Co
RUSCO: Conveyer & transmission belting—Russell Mfg Co
RUSTARMOR: Anti-rust enamels—Inertol Co
RUSTREM: Coatings, protective—Speco, Inc

S

700 CLASS: Chains—Link-Belt Co
S: Bearings, roller, self-aligning—Link-Belt Co
S-A: Anti-sulfuric acid valves—Lunkenheimer Co
SAP: Super armorplate—American Optical Co
SC: Ball bearings—Dodge Mfg Corp
SC: Collectors, sludge—Link-Belt Co
SCM: Ball bearings—Dodge Mfg Corp
SD: Chains, drag—Link-Belt Co
SG: Geared couplings—Link-Belt Co
SK-7: Gun applicable castable—A P Green Fire Brick Co
SKF: Ball & rollers bearings; Pillow blocks—SKF Industries
SLP: Ball bearings—Dodge Mfg Corp
SM: Chains, combination—Link-Belt Co
SS: Chains, steel—Link-Belt Co
SS HYPER API: Chains, oil field—Link-Belt Co
SS PLUS: Chains—Link-Belt Co
S RED-HED API: Chains, oil field—Link-Belt Co
SW SPIRAL BOUND: Friction materials—JOHNS-MANVILLE
SAF-CO-METER: Carbon monoxide indicator—United States Safety Service Co
SAFEMASTER: Safety glasses—American Optical Co
SAFE 'N EASY: Hood baffle, remote control—Laboratory Furniture Co
SAFE-T-HEAD: Rivets; Bins; Chains—Link-Belt Co
SAFETICOTE: Protective hand cream—American Optical Co
SAFETY-CIRCLE: Motors—Allis-Chalmers Mfg Co
SAFETY SCOREBOARD: Products—Industrial Products Co
SAF-HED-HAT: Fiberglass hard hats—United States Safety Service Co
SAF-I-CHEM: Goggles, chemical—United States Safety Service Co
SAF-I-CUP: Goggles, welding—United States Safety Service Co
SAF-I-FLEX: Goggles, safety—United States Safety Service Co
SAF-I-SHIELD: Goggles, safety—United States Safety Service Co
SAF-I-SPECTACLE: Safety glasses—United States Safety Service Co
SAF-T-SPEC: Lightweight safety spec—United States Safety Service Co
SAF-T-LENS: Safety lenses—United States Safety Service Co
SAT-T-LENS CLEANER: Anti-fog lens cleaner—United States Safety Service Co
SA-FUSE: Motor control—Electric Machy Mfg Co

►SAILBOAT BRAND: Bleached sulfate board —Gilman Paper Co

'SAIRSET: Mortars, high temperature—A P Green Fire Brick Co
SALEM: Buckets, elevator—Link-Belt Co
SANIGLAS: Chippers' goggle—American Optical Co
SARCOTROL: Injection-molding coding units—Sarco Co
SAUNDERS: Diaphragm valves—Grinnell Co
SAUNDERS PATENT: Diaphragm valves—Hills-McCanna Co
SAWTOOTH: Lead anodes—Heil Process Equipment Corp
SCOOPULA: Spatulas—FISHER SCIENTIFIC
SCREW: Conveyors—Link-Belt Co
SCREW-SEAL: Industrial pipe—Robinson Clay Product Co
SEA RINGS: Ring packings—JOHNS-MANVILLE
SEAL-CLAD: Motors—Allis-Chalmers Mfg Co
SEALMASTER: Ball bearings—Stephens-Adamson Mfg Co
SEALON: Vinyl sheet linings—Maurice A Knight Co
SEAL SAVER: Molded packings—Greene, Tweed & Co
SEALTEX: Protective coatings—Nukem Products Corp
SEALTITE: Sealing equipment, bag, paper—Consolidated Packaging Machy Corp
SEATLESS: Blow-off valves—Yarnall-Waring Co
SEDIFLOTOR: Clarifiers—Infilco Inc
SEKO: Analytical balances—Seederer-Kohlbusch
SELECT-A-SPEDE: Adjustable speed drive, A-C/D-C—Louis Allis Co
SELECT-O-WEIGH: Proportioning systems—Richardson Scale Co
SELECTRO: Products—Productive Equipment Corp
SELFWELD: Arc welding electrodes—Lincoln Elec Co
SELMOR: Display stands—Hinde & Dauch Div
SENIOR: Lubricators—Lunkenheimer Co
SENTINEL: Oil cups—Lunkenheimer Co
SENTRY: Valves—Coppus Engrg Corp
SENTRY EXTINGUISHER: Products—ANSUL CHEM CO
SEP-AERATOR: Sand, foundry—Link-Belt Co
SERVICE: Belts, conveyor—Link-Belt Co
SERVICE: Asbestos packings—JOHNS-MANVILLE
SERVICEMAN: Refrigeration test instruments—Jas P Marsh Corp
SERVICEMASTER: Products—Marman Div
SERVISEAL: Belt—Gates Rubber Co
SHAFER: Bearings, roller—Chain Belt Co
SHAFT-MOUNTED: Products—Link-Belt Co
SHAFTROL: Rotary actuators—Jordan Co
SHALE SHAKERS: Reconditioners—Link-Belt Co
SHAW-BOX: Cranes—Manning, Maxwell & Moore, Inc
SHAW SAND: Classifiers—Link-Belt Co
SHEER GRIP: Industrial gloves—Pioneer Rubber Co
SHELL MOLDING: Systems, foundries—Link-Belt Co
SHELV-I-CART: Shelf cart (housekeeping)—Paul O Young Co
SHEPARD PINCHBUG: Riveters—Hanna Engrg Works
SHIELD: Machine Knives—TAYLOR, STILES & CO
SHIELD-ARC: Welding apparatus—Lincoln Elec Co
SHIPMASTER: Floor trucks—Lewis-Shepard Products
SHIPPER: Two-wheel hand truck—Paul O Young Co
SHOCK GARD: Products—Mine Safety Appliances
SHONE: Pneumatic ejectors—Yeomans Bros Co
SHOP MULE: Industrial tractors—Allis-Chalmers Mfg Co
SHOT-PEENED: Chains, roller—Link-Belt Co
SHOWBAG: Plastic bags—Central States Paper & Bag Co
SHUR-LOCK: Low pressure hose & couplings—Alemite Div
SIDEKAR-KARRIER: Carrier-conveyor—Link-Belt Co
SIDE-FLO: Nonclog pulp mechanism—Allis-Chalmers Mfg Co
SIGNA-GLOW: Electrical meters—Industrial Development Labs
SIGNAL: Oil cups—Wm Powell Co
SILCO-FLEX: Insulation system—Allis-Chalmers Mfg Co
SIL-FOS: Alloys, silver brazing—Handy & Harman
SILNIC: Products—Chase Brass & Copper Co
SIL-O-CEL: Insulating brick—JOHNS-MANVILLE
SILENT: Drives, chain—Link-Belt Co
SILICLAD: Silicone concentrate—Clay-Adams
SILIMITE: Feedwater treatment—Allis-Chalmers Mfg Co
SILVER-BRITE: Shot peened rollers—Link-Belt Co
SILVERSTREAK: Drives, chain—Link-Belt Co
SILVERSTREAM: Filters—Infilco Inc
SILVERSTITCHER: Wire stitchers—Acme Steel Co
SIZER: Crusher, coal—Link-Belt Co
SKIP-PIPE: Drainage pipe—Robinson Clay Product Co
SKIPULTER: Shaker conveyor—F L Smidth & Co
SKULLGARD: Products—Mine Safety Appliances
SKYBLAST: Power roof ventilators—Robbins & Myers
SKYSCRAPER: Portable elevator—Revolvator Co
SLATS: Welded studs—Link-Belt Co
SLIP-JOINT: Vitrified clay pipe—Robinson Clay Product Co
SLO-SPEED: Gear motors—Sterling Elec Motors
SLO-SYN: Motors—Superior Elec Co
SLYBLAST: Sandblast equipment—W W Sly Mfg Co
SNAP-COUPLER: Products—Allis-Chalmers Mfg Co
SNAP-JOINT: Pipe couplings—Victaulic Co of America
SNAP-TITE: Connect-disconnect couplings—Snap-Tite, Inc
SNORKEL: Gloves, plastic—Edmont Mfg Co
SNOW PANS: Plates for cooling foods—Dean Products, Inc
SNYDER'S STANDARD: Rubber goods—M L Snyder & Son
SOD-R-BRAZE: Torches—National Cylinder Gas Div
SOFTWELD: Arc welding electrodes—Lincoln Elec Co
SOLA-FLEX: Expansion joints—Solar Aircraft Co
SOLFRUNT: Process gauges—United States Gauge Div
SONICLEAN: Machines, cleaning—Detrex Chem Industries
SONOGEN: Ultrasonic generators—Branson
SORBO-CEL: Filter aids—JOHNS-MANVILLE
SPACEMASTER: Electric stackers—Lewis-Shepard Products
SPARKLAID: Filter aid—Sparkler Mfg Co
SPECIMEN: Jar mills—Paul O Abbe
SPEC MASK: Gas mask with Rx lenses—Acme Protection Equipment Co
SPECTRANAL: Spectroscopes—FISHER SCIENTIFIC
SPECTROMET: Spectrometer—Baird-Atomic, Inc
SPECTRON: Precision optics—Consolidated Electrodynamics Corp
SPECTROSADIC: Analog-to-digital converter—Consolidated Electrodynamics Corp
SPECTROSIL: Products—Thermal American Fused Quartz Co
SPECTROSOURCE: Power for spectrography—Baird-Atomic, Inc
SPEEDAIRE: Fan-cooled reduction units—Cleveland Worm & Gear Co
SPEED ALL: Tractor Shovels—Pettibone-Mulliken Corp
SPEED BINS: Products—Electric Cord Co
SPEED-CORD: Belt—Gates Rubber Co
SPEEDEX: Filter aid—Great Lakes Carbon Corp, Dicalite Dept
SPEED-FLEX: Belt—Gates Rubber Co
SPEEDFLOW: Filter aid—Great Lakes Carbon Corp, Dicalite Dept
SPEEDLINE: Stainless steel fittings—Horace T Potts Co
SPEEDMASTER: Lift trucks—Lewis-Shepard Products
SPEEDOMAX: Recorder & controller—Leeds & Northrup Co
SPEEDPLUS: Filter aid—Great Lakes Carbon Corp, Dicalite Dept
SPEED-SET: Controls for gyratory crushers—Allis-Chalmers Mfg Co
SPEED-TROL: Variable speed drives—Sterling Elec Motors
SPEEDWEIGH: Scales, over/under zero—Toledo Scale
SPEEDY-SPREAD: Equipment for handling nitrogen solutions—General Metals, Inc
SPEEDYVAP: Beaker covers—FISHER SCIENTIFIC
SPHER-ALIGN: Spherical roller bearing—Dodge Mfg Corp
SPHERICAL: Roller bearings—Link-Belt Co
SPHERICONE: Softeners, water—Graver Water Conditioning Co
SPHERO: Ball valves—Fairbanks Co
SPIRAL: Heat Exchanger—American Heat Reclaiming
SPINTEX: Insulation, mineral wool—JOHNS-MANVILLE
SPIREX: Nozzle elements—National Cylinder Gas Div
SPIRATUBE: Wire, flexible—Flexible Tubing Corp
SPIROTALLIC: Gaskets, metallic—JOHNS-MANVILLE
SPLASHGON: Products—FISHER SCIENTIFIC
SPORDEX: Products—American Sterilizer Co
SPRATOWER: Cooling towers—Marley Co
SPRAYWELDER: Spraying machines—Wall Colmonoy Corp
SPREADARC: Welding apparatus—Lincoln Elec Co
SQUARE-SIFTER: Sifting machines—Allis-Chalmers Mfg Co
SQUIRES MOVAT: Vents, traps, valves—C E Squires Co
SQUIRT WELDER: Welding apparatus—Lincoln Elec Co
STABILINE: Voltage regulators; Electrical automatic controls—Superior Elec Co
STABLE-ARC: Arc welding electrodes—Lincoln Elec Co
STAB-L-FLOW: Gas mixers, oxyacetylene equipment—National Cylinder Gas Div
STA-CLEAR: Long opening screens—Ludlow-Saylor Wire Cloth Co
STAINLEND: Arc welding electrodes—Arcos Corp
STAINWELD: Arc welding electrodes—Lincoln Elec Co
STAIRMASTER: Trucks, appliance—Fairbanks Co

STA-KLEEN: Vibrating screens—Allis-Chalmers Mfg Co

►STAK-LOK KRAFT: Special outer sheet—Kraft Bag Corp

STAMINITE: Acid-proof cement—Robinson Clay Product Co

STANDARD: Packings—Standard Packings Co

STANFLEX: Industrial gloves—Pioneer Rubber Co

STANZOIL: Industrial gloves—Pioneer Rubber Co

STA-SMOOTH: Woven wire screens—Ludlow-Saylor Wire Cloth Co

STASET: Finger guards—American Optical Co

STA-TRU: Long opening screens—Ludlow-Saylor Wire Screen Co

STEELAB: Steel lab furniture—Laboratory Furniture Co

STEEL-CABLE: Belt—Gates Rubber Co

STEELETTS: Products—Wheelabrator Corp

STEELFLEX: Couplings, shaft, flexible—Falk Corp

STEEL LEAF: Chains, balance—Link-Belt Co

STEEL LINK-BELT: Chains, detachable—Link-Belt Co

STELLAR: Filters—Infilco Inc

STELLITE: Alloys—Haynes Stellite Co

STEMPEL: Fire extinguishers—M L Snyder & Son

STEP-TRUK: Industrial trucks—Fairbanks Co

STEP-VALVE: Controlled volume pump—Milton Roy Co

STERISEAL: Bottle capping machines—Anchor Hocking Glass Corp

STEVEDORE, JR: Portable inclined belt—Rapids-Standard Co

STEVENS: Heat exchanger coils—Western States Mach Co

STOKESWRAP: Packaging equipment machines—FMC Packaging Machy Corp

STONCLAD: Flooring—Stonhard Co

STONLAST: Products—Stonhard Co

STONSHIELD: Roof repair—Stonhard Co

STRAIGHTLINE: Products—Link-Belt Co

STREAMAIRE: Aircraft oil temperature regulators—Young Radiator Co

STREAMBARKER: Hydraulic log barkers—Allis-Chalmers Mfg Co

STREAMLINER: Conveyors—Harry J Ferguson Co

STRENES METAL: Chromium-molybdenum casting alloys—Advance Foundry Co

STRETCHRAP: Packaging equipment machines—FMC Packaging Machy Corp

STROBOTAC: Stroboscopic tachometer—General Radio Co

STRONG: Steam specialties—Strong, Carlisle & Hammond

STYL-O-MATIC: Conveyors & accumulating tables—Island Equipment Corp

STYL-O-VEYOR: Belt conveyor boosters—Island Equipment Corp

SUBCOMCO: Submerged burners—Submerged Combustion

SUB-ZERO: Environmental test cabinet—American Instrument Co

SUDSMASTER: Water treatment equipment—L A Water Softener Co

SUNRAY: Boilers; Radiators; Baseboards—National-US Radiator Corp

SUPAIRTHERMAL: Diesel engines—Nordberg Mfg Co

SUPER-7: Multiple groove V-belts—Allis Chalmers Mfg Co

SUPER XX: High-temperature silicate base mortar—Maurice A Knight Co

SUPER ARMORPLATE: Hardened safety lens—American Optical Co

SUPER-AUTO-KLEAN: Filters—Cuno Engrg Corp

SUPER CENTRIFUGE: High-speed centrifuges—Sharples Corp

SUPER CLASSIFIER: Classifiers—Sharples Corp

SUPER-D-CANTER: Continuous centrifuges—Sharples Corp

SUPER-D-HYDRATOR: Centrifugal filters—Sharples Corp

SUPERAID: Filter aid—Great Lakes Carbon Corp, Dicalite Dept

SUPERBLAST FANS: Fans, centrifugal—Boardman Co

SUPER-CLEAR: Plastic & glass cleaning & anti-fog fluid—American Optical Co

SUPERCON: Products—Superior Elec Co

SUPER CUTNO: Self-lubricating packing—Greene, Tweed & Co

SUPERDIAMOND: Products—Eastern Stainless Steel Corp

SUPEREX: Insulation, heat—JOHNS-MANVILLE

SUPERGAUGE: Products—United States Gauge Div

SUPER GEM: Fittings—Aeroquip Corp

SUPER HUSKIE: Industrial tractor—Mercury Mfg Co

SUPER-HYPER API: Chains, oil field—Link-Belt Co

SUPERIOR: Gyratory & jaw crushers—Allis-Chalmers Mfg Co

SUPERIOR 5-WAY: Binding posts—Superior Elec Co

SUPERIOR McCULLY: Gyratory crushers—Allis-Chalmers Mfg Co

SUPERLOY: Abrasion resistant wire screens—Ludlow-Saylor Wire Cloth Co

SUPER NEOX: Gloves—Edmont Mfg Co

SUPER POWERHOUSE: Insulating & finishing cement—Baldwin-Hill Co

SUPER SILVERTOP: Steam traps—V D Anderson Co

SUPER SPUN: Soil pipe—Combustion Engrg

SUPER STEEL: Boxes—Union Steel Chest Corp

SUPER STONCREST: Products—Stonhard Co

SUPER-TEMP: Electric furnaces—L & L Mfg Co

SUPER TEMPERED PRECISION: Screens—Wickwire Spencer Steel Div

SUPERTHERM: Dial thermometers—United States Gauge Div

SUPERTITE: Synthetic resin cements—Nukem Products Corp

SUPER-VISIBILITY: Arc welding lens—Lincoln Elec Co

SUREBRAZE: Brazing & welding alloys—Dalweld Co

SUPREME: Crushers, pulverizers, de-lumpers—Franklin P Miller & Son

SUREWELD: Arc welding equipment—National Cylinder Gas Div

SURFACEWELD: Hardsurfacing powder—Lincoln Elec Co

SURFLEX: Filters—Infilco Inc

SURGEPRUF: Hydraulic hose & couplings—Alemite Div

SWAN: Products—Klipfel Valves Inc

SWEAT-ON PASTE: Hard surface paste metal—Wall Colmonoy Corp

SWECO: Products—Southwestern Engrg Co

SWIVELOADER: Car loaders—Stephens-Adamson Mfg Co

SWIVEL TYPE CONVEYOR CHAINS: Products—Link-Belt Co

SYLPHON: Products—Fulton Sylphon Div

SYMETRO: Speed reducer drives—F L Smidth & Co

SYMONS: Products—Nordberg Mfg Co

SYNCHRO-VALVE: Diaphragm control valve—Bristol Co

SYNCROGEAR: Gear motors—United States Elec Motors

SYNCHRO-OPERATOR: Automatic synchronizing devices—Allis-Chalmers Mfg Co

SYNCRO-SPEDE: Synchronous motor—Louis Allis Co

SYNCROVERTER: Converters—Bristol Co

SYNDUCTION: Motors—Allis-Chalmers Mfg Co

T

3-1-2: Rust Inhibitor—Young Radiator Co

T: Belt—Gates Rubber Co

TG: Belt—Gates Rubber Co

TR: Belt—Gates Rubber Co

TS: Belt—Gates Rubber Co

TTP: Products—Tube Turns Plastics

TAB-SEAL: Caps seals—AMERICAN FLANGE & MFG CO

TABLETOP: Conveyor chains—Chain Belt Co

TANK-TYPE: Products—Link-Belt Co

TAPER LOCK: Bushings; Sprockets; Pulleys—Link-Belt Co

TAPER-LOCK: Couplings; Pulleys; Sheaves; Sprockets—Dodge Mfg Corp

TECHALLOY: Products—Techalloy Co

TEKMOLD: Products—Bemis Bro Bag Co

TEL-A-SHIELD: Products—Industrial Products Co

TELEMAND: Motor operating mechanism—I-T-E Circuit Breaker Co

TELLEVEL: Bin level indicators—Stephens-Adamson Mfg Co

TELNIC: Copper rods—Chase Brass & Copper Co

TEL-O-SET: Miniature pneumatic instruments—Brown Instruments Div

TEMP-ALARM: Temperature paint—Tempil Corp

TEMP-COP: Thermal switches—Micro Switch Div

TEMCO: Products—Thermo Elec Mfg Co

TEMPERIM: Products—Chain Belt Co

TEMPERITE: Furnaces—Hevi-Duty Elec Co

TEMPILAQ: Temperature indicating liquid—Tempil Corp

TEMPIL PELLETS: Temperature indicating pellets—Tempil Corp

TEMPILSTIKS: Temperature indicating crayon—Tempil Corp

TEMP-R-TAPE: Teflon tapes—Connecticut Hard Rubber Co

TENSILEND: Arc welding electrodes—Arcos Corp

TERALITE: Products—Chase Brass & Copper Co

TERRAFLEX: Flooring, vinyl—JOHNS-MANVILLE

TEXDRIVE: V-belt sheaves—Allis-Chalmers Mfg Co

TEXIRON: Cast iron sheaves—Allis-Chalmers Mfg Co

TEXITE: Synthetic resin cements—Nukem Products Corp

TEXLITE: Sheaves—Allis-Chalmers Mfg Co

TEXROPE: V-belt drive products—Allis-Chalmers Mfg Co

TEXSLIDE: Motor bases—Allis-Chalmers Mfg Co

TEXSTEEL: Steel sheaves—Allis-Chalmers Mfg Co

THERMAL: Sand reclamation systems—Link-Belt Co

THERMALAIR: Respirator heat hazard—American Optical Co

THERMALITE: Overload indicator—Allis-Chalmers Mfg Co

THERMALIZER: Heat exchangers—Konto Co

THERMATRON: Control unit—C E Squires Co

THERMEK: Heat exchanger surface—Heatron, Inc

THERMISTEMP: Products—Yellow Springs Instrument Co

THERMOBESTOS: Insulation, heat—JOHNS-MANVILLE

THERMO-CABLE: Extension cable—Thermo Elec Co

THERMOCOIL: Iron reactors—Bethlehem Foundry & Mach Co

THERMO-DECK: Heated decks—Allis-Chalmers Mfg Co

THERMO-DYNAMIC: Steam trap—Sarco Co

THERMO-ELECTRIC: Thermocouples and thermocouple wire—Thermo Elec Co

THERMO ELECTRONIC: Products—Thermo Elec Co

THERMOFLEX: Heat insulation—JOHNS-MANVILLE

THERMOHM: Resistance thermometer—Leeds & Northrup Co

THERMOJET: Water tube boilers—International Boiler Works Co

THERMOLAIN: Refractory insulation—Star Porcelain Co

THERMOLIER: Heaters, unit—Grinnell Co

THERMOLYNE: Products—Thermo Elec Mfg Co

THERMO-PANEL: Pipe coil substitute—Dean Products, Inc

THERMOPAPER: Temperature indicators—Paper Thermometer Co

THERMO SWITCH: Thermostat—Fenwal, Inc

THERMOTAPE: Pipe insulation—JOHNS-MANVILLE

THERMOTON: Temperature control-steam trap combination—SARCO CO

THERMOTUBE: Temperature indicators—Paper Thermometer Co

THERMOVERTER: Thermal converter—Bristol Co

THERMOWRAP: Pipe insulation—JOHNS-MANVILLE

THICKENERS: Removers, sludge—Link-Belt Co

THINTUBE: Products—National-US Radiator Corp

THOROBLENDER: Blenders, dry—Patterson Foundry & Mach Co

THORO-MIX: Mixers—Link-Belt Co

THREE-BAR: Chains, oil, rotary—Link-Belt Co

THRU-CLEAN: Screens, bar—Link-Belt Co

THRU-FLOW: Travelling water screen—Link-Belt Co

TIGER: Grease cups—Lunkenheimer Co

►TILT: Discharge equipment—Tote System, Inc

TILTING TYPE: Box car unloaders—Link-Belt Co

TIPIT: Products—Manning, Maxwell & Moore, Inc

TIRAX: Grinding mills—F L Smidth & Co

TITAN: Iron, bronze gate valves—Wm Powell Co

TITANAR: Wire welding—Arcos Corp

TITRILOG: Sulfur recorder—Consolidated Electrodynamics Corp

TITRIMETER: Titration apparatus—FISHER SCIENTIFIC

TITRONIC: Automatic titrators—Milton Roy Co

T-LOCK AMER-PLATE: Vinyl sheet linings—Amercoat Corp

TON-CAP: Screen cloth—W S Tyler Co

TOOLWELD: Arc welding electrodes—Lincoln Elec Co

TORBAL-SWITCHES: Subminiature toggle switches—Torsion Balance Co

TORCHTIPS: Gas burners—Mid-Continent Metal Products Co

TORCHWELD: Oxy-acetylene welding & cutting equipment—National Cylinder Gas Div

TOREX: Paints—Inertol Co

TORK-GRIP: Tube bender—Parker-Hannafin Corp

TORK-MASTER: Valve actuators—General Controls Co

TORNADO: Size reduction equipment—F J Stokes Corp

TORQMOUNT: Conveyors, oscillating—Link-Belt Co

TORQUE-ARM: Speed changers—Dodge Mfg Corp

TORRIDOR, TORRIVENT: Heaters—Trane Co

►TOTE: Products—Tote System, Inc

TOTEMASTER: Products—Lewis-Shepard Products

TOTRUST: Coating, protective—Wilbur & Williams Co

TRACTOLOADERS: Tractor-shovels, wheel equipment—Tractomotive Corp

TRACTOSHOVEL: Crawler mounted tractor-shovels—Tractomotive Corp

TRAILER-BAK: Conveyors—Link-Belt Co

TRANOLSEAL: Sealing compound—JOHNS-MANVILLE

TRANSFER: Chains—Link-Belt Co

TRANSITE: Pipe, asbestos-cement—JOHNS-MANVILLE

TRANSLIFT: Phosphate processing machines—Detrex Chem Industries

TRANSPORTER: Pneumatic ejectors—Yeomans Bros Co

TRAXCAVATOR: Tractor shovels—Caterpillar Tractor Co

TRAY-SEAL: High temperature liquid seal—Metal Textile Corp

TREET-ALL: Furnaces—Hevi-Duty Elec Co

TRI-CLAMP: Sanitary fittings—Ladish Co, Tri-Clover Div

TRI-CLOVER: Products—Ladish Co, Tri-Clover Div

TRI-DUTY: Air line controls—Alemite Div

TRIDENT: Water meter—Neptune Meter Co

TRIM: Products—Chase Brass & Copper Co

TRIPLE LEADKOTE, 2DQ-120: Tank coating systems—Wilbur & Williams Co

TRIPLE-LOK: Fittings, tubing—Parker-Hannafin Corp

TRI-SURE: Drum & pail closures—AMERICAN FLANGE & MFG CO

TRITOR BAR: Screens, sewage—Link-Belt Co

TRI WELD: Sanitary but welding fitting—Ladish Co, Tri-Clover Div

TROJAN: Tractors—Detroit Hoist & Mach Co

TRUE-GRADIENT: Electric furnaces—L & L Mfg Co

TRUFLEX: Belt—Gates Rubber Co

TRUKVEYOR: Conveyors, in-floor, overhead—Link-Belt Co

TRUSCALE: Liquid level gages—Jerguson Gage & Valve Co

TRU-TRAC: Conveyors, mold—Link-Belt Co

TUBAR: Cranes, lifts, dumpers—Uhrden, Inc

TUBEJET: Steam jet ejectors—C H Wheeler Mfg Co

TUBE-TURN: Fittings, welding; Flanges, pipe—Tube Turns Div

TUFCLAD: Reinforced fiberglass covering—Lapp Insulator Co

TUFLITE: Filters—Hilliard Corp

TUGIT: Products—Manning, Maxwell & Moore, Inc

TUMBLAST: Cleaning equipment—Wheelabrator Corp

TURBULIZER: High-speed continuous mixer—Strong-Scott Mfg Co

TURBA-FILM: Processor—Rodney Hunt Mach Co

TURBAIRE: Cooling & heating coils—Acme Industries

TURBO-CONVECTION: Electric ovens—L & L Mfg Co

TURBO-DRYER: Products—Wyssmont Co

TURBO-JET: Products—Allis-Chalmers Mfg Co

TURBOMATIC: Products—Parks-Cramer Co

TURBO-MIXER: Mixers—General American Transportation Corp

TURBOPAK: Water chilling system—York Corp

TURBO RUPTOR: Products—Allis-Chalmers Mfg Co

TURBOTUBE AGITATOR: Agitator for tanks—Chemineer, Inc

TURBULAIRE-DOYLE: Gas scrubbers—Western Precipitation Corp

TUSKO: Leather—Greene, Tweed & Co

TWINARC: Welding apparatus—Lincoln Elec Co

TWIN LOOP: Metal detectors—Stearns Magnetic Products

TWIN SURE DOUBLE SEAL: Plastic bag seal—Protective Lining Corp

TWISTITE: Gates—Stephens-Adamson Mfg Co

TWIST-TYPE: Chains, roller—Link-Belt Co

TWO-TONE: Safety glasses—American Optical Co

TY-ELECTRIC HEATING: Products—W J Tyler Co

TYGON: Tubing, plastic; Coatings; Linings; Gasketing—United States Stoneware Co

TY-LAB: Sieve shakers—W S Tyler Co

TYLER-NIAGRA: Vibrating screens—W S Tyler Co

TYLER-STANDARD: Testing sieves—W S Tyler Co

TY-LOY: Wire screens—W S Tyler Co

TYPE A HYDRO-PRECIPITATOR: Dust collectors & scrubbers—Johnson-March Corp

TYPE H LIQUID PRECIPITATOR: Dust collectors & scrubbers—Johnson-March Corp
TYPHOON: Portable mixers—Patterson Foundry & Mach Co
TY-ROCK: Vibrating screens—W S Tyler Co
TY-ROCKET: Vibrating screens—W S Tyler Co
TY-ROD: Wire screens—W S Tyler Co
TYRRELL: Oil-burning equipment—Edw Renneburg & Sons Co
TY-SPEED: Vibrators—W S Tyler Co

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UP: Screens, vibrating—Link-Belt Co
US: Bronze gate valves—Wm Powell Co
ULTIMATE: Products—Island Equipment Corp
ULTRAFINE: Heat insulating materials—Gustin-Bacon Mfg Co
ULTRAFLEX E, M: Adjustable speed drives—Cutler-Hammer
ULTRAIRE: Filters—Mine Safety Appliances
ULTRASCOPIC: Safety glasses—American Optical Co
ULTRA-SPEED: Transmission belting—Russell Mfg Co
ULTRAVALVE: Control valves—Hammel-Dahl
ULTRA-VISCOSON: Viscosimeters, recorders, & controls—Bendix Aviation Corp
UNAX: Kilns—F L Smidth & Co
UNDERFLOW AQUATOWER: Cooling tower—Marley Co
UNEEPAC: Ring packings—JOHNS-MANVILLE
UNIBASE: Base motors—United States Elec Motors
UNI-CHILLERS: Water and brine chilling units—Vilter Mfg Co
UNICLOSED: Motors, A C—United States Elec Motors
UNICOIL: Sprayed coil unit—Clarage Fan Co
UNIDAN: Grinding mills—F L Smidth & Co
UNI-FILTER: Dust collectors & filters—Dracco Div
UNIFLO: Tanks, settling—Link-Belt Co
UNIFLOW NOZZLES: Sandblast equipment—W W Sly Mfg Co
UNI-GRIP: Pail closures—AMERICAN FLANGE & MFG CO
UNIKOM: Grinding mills—F L Smidth & Co
UNILINE: Plastic & dry ladle lining—Robinson Clay Product Co
UNIMESH: Expanded platinum sheet—J Bishop & Co Platinum Works
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UNITRON: Rectifiers—I-T-E Circuit Breaker Co
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UNIVERSAL STEAM TRAP, VALVE: Products—Velan Steam Specialties
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UPRESSIT: Closures—AMERICAN FLANGE & MFG CO
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UTILITY BELT: Portable incline, horizontal belt—Standard Conveyor Co

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VRD: Drives, roller—Link-Belt Co
V•S; V•S JR: Variable-speed drives—Reliance Elec & Engrg Co
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VALVMATIC: Products—C H Wheeler Mfg Co
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